

DOCUMENT RESUME

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ABSTRACT

The 15 occupational clusters (transportation, fine arts and humanities, communications and media, personal service occupations, construction, hospitality and recreation, health occupations, marine science occupations, consumer and homemaking-related occupations, agribusiness and natural resources, environment, public service, business and office occupations, manufacturing, and marketing and distribution) are presented in the form of branching tree diagrams showing a breakdown to four levels of detail for each cluster. (SA)

OCCUPATIONAL

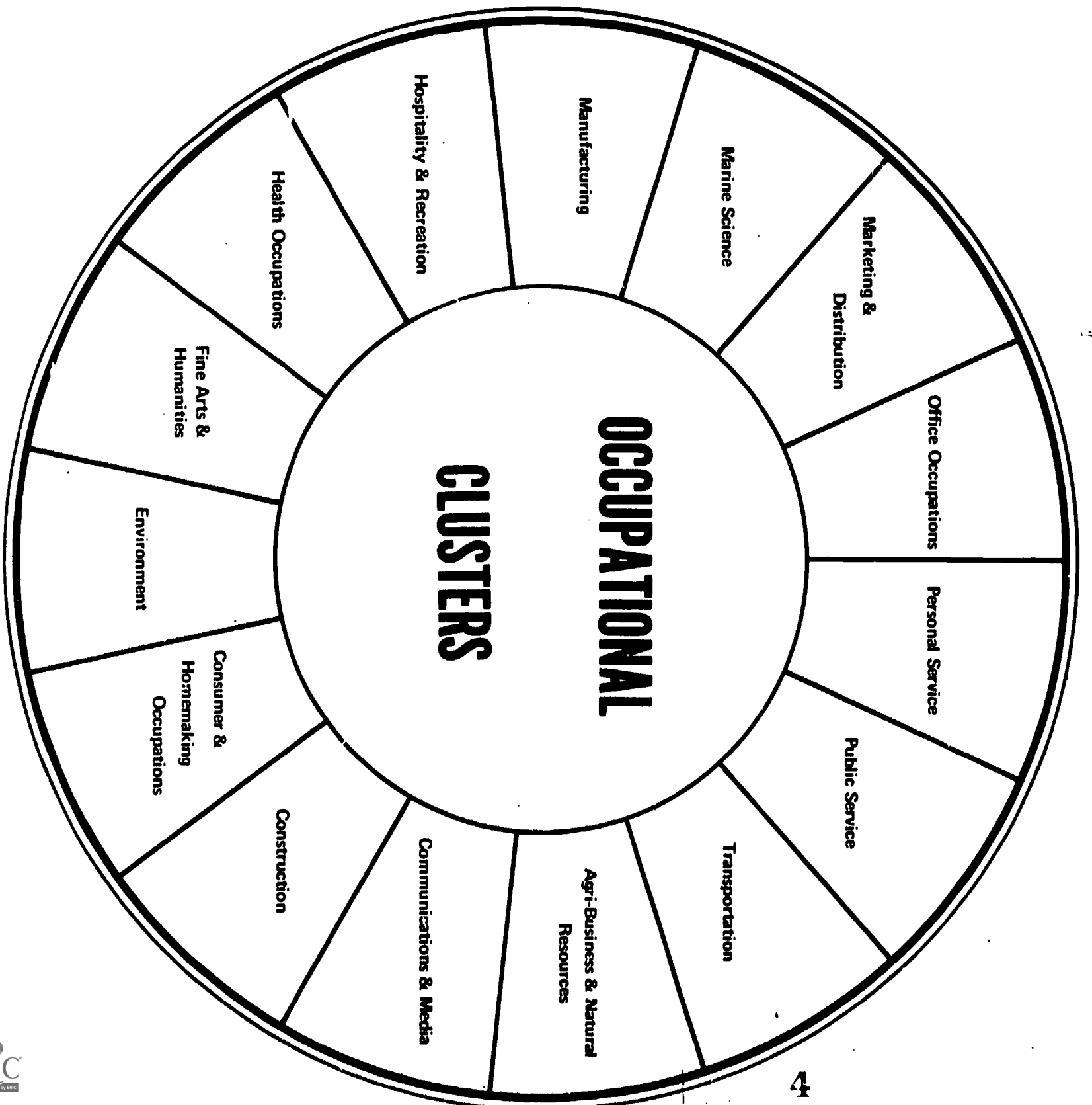
CLUSTERS

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Developed through the cooperative efforts of the Pottawattamie County's Exemplary Program in Career Education and the Council Bluffs Community School District.

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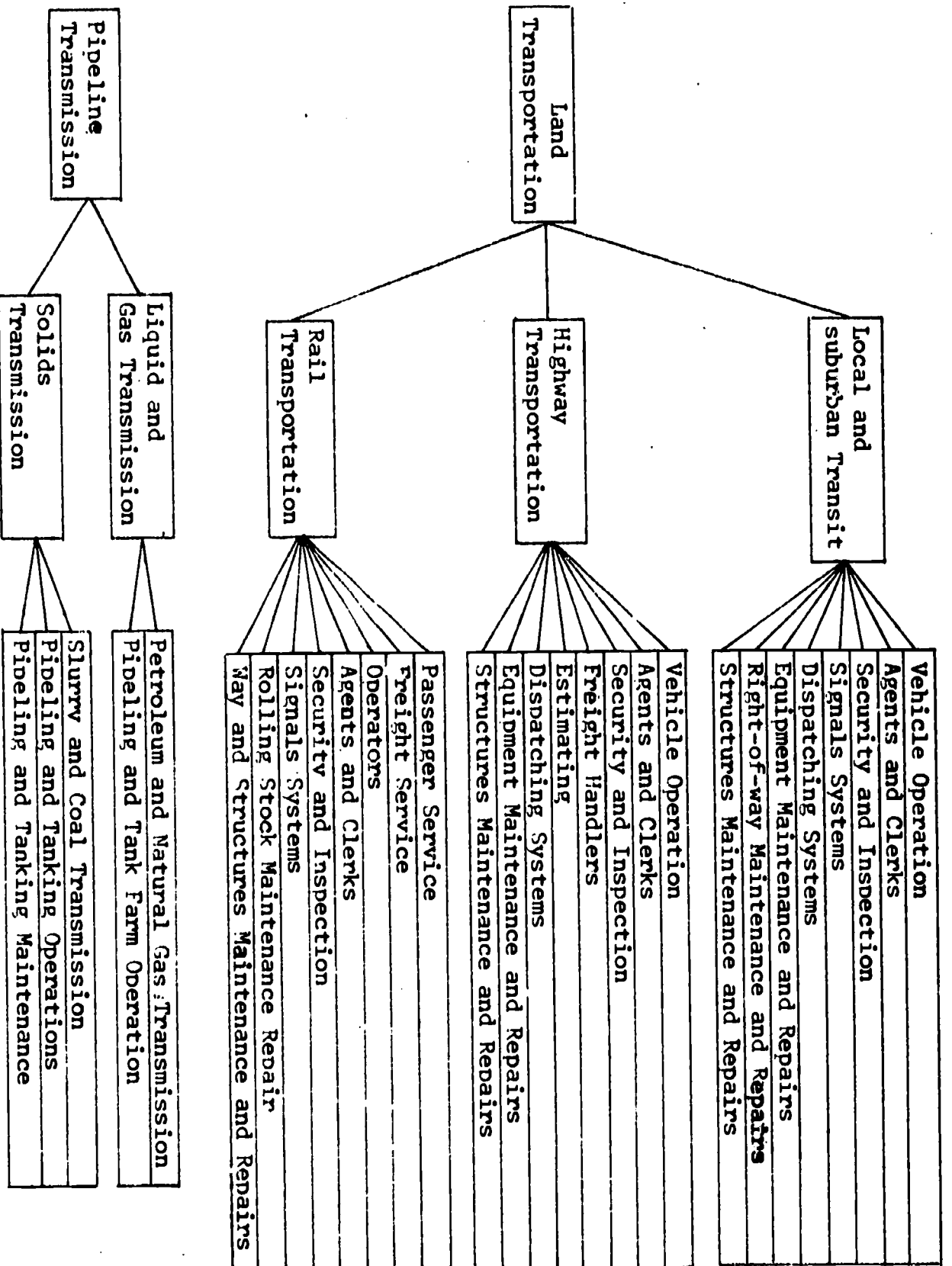


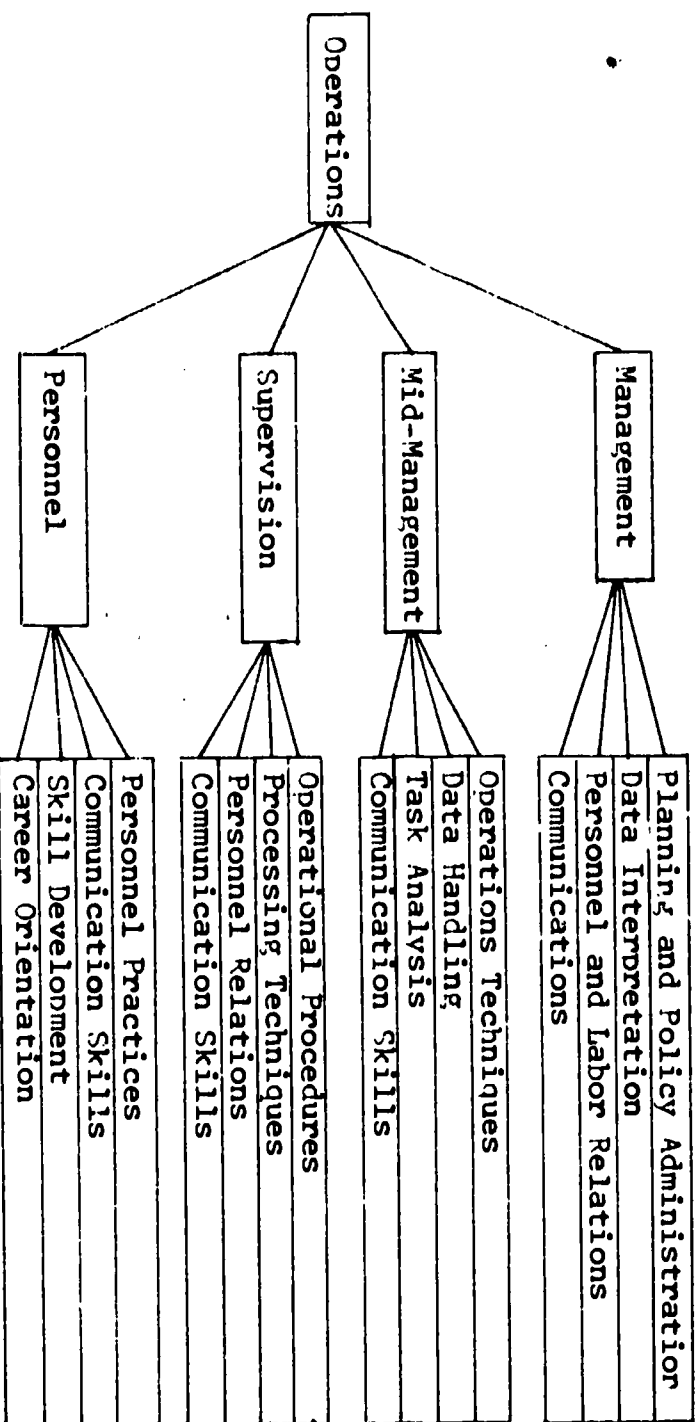
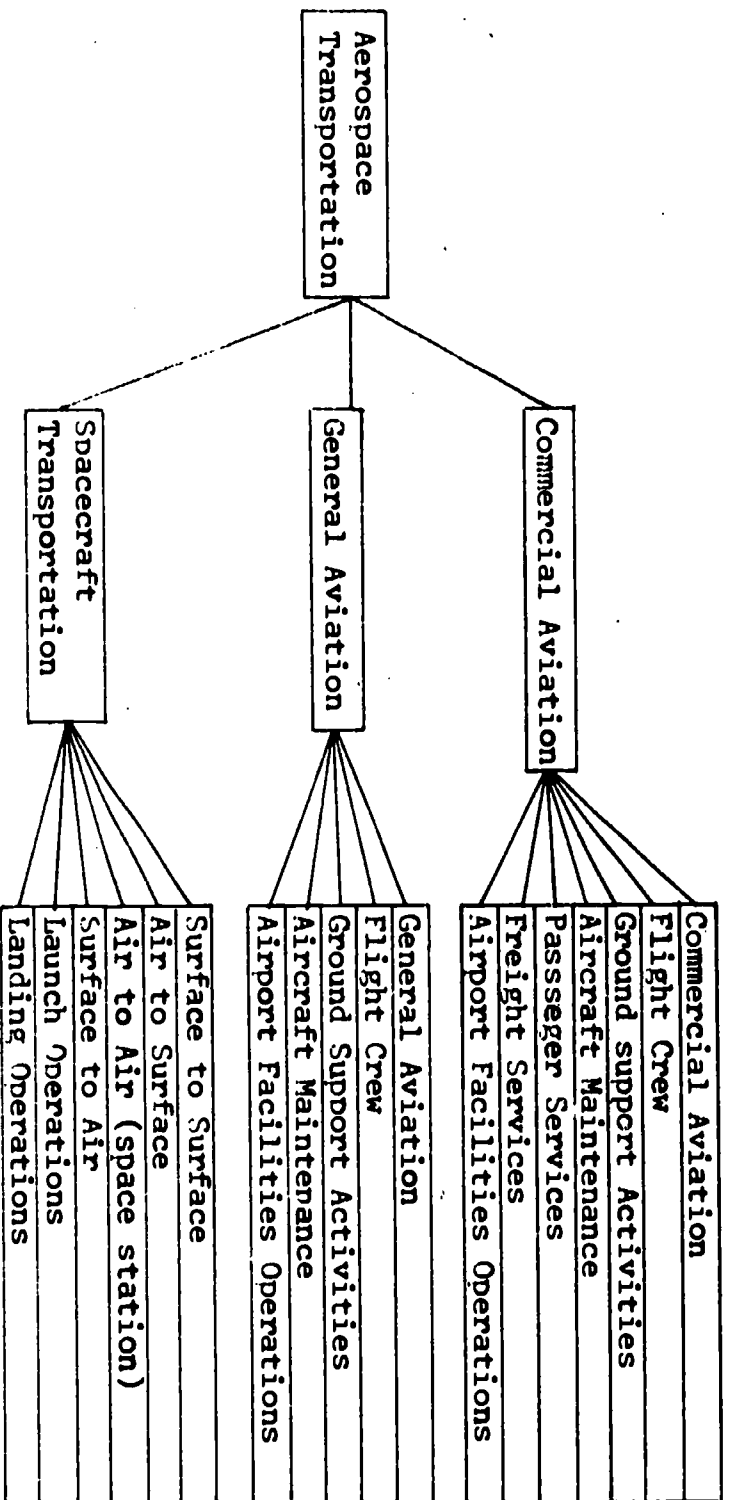


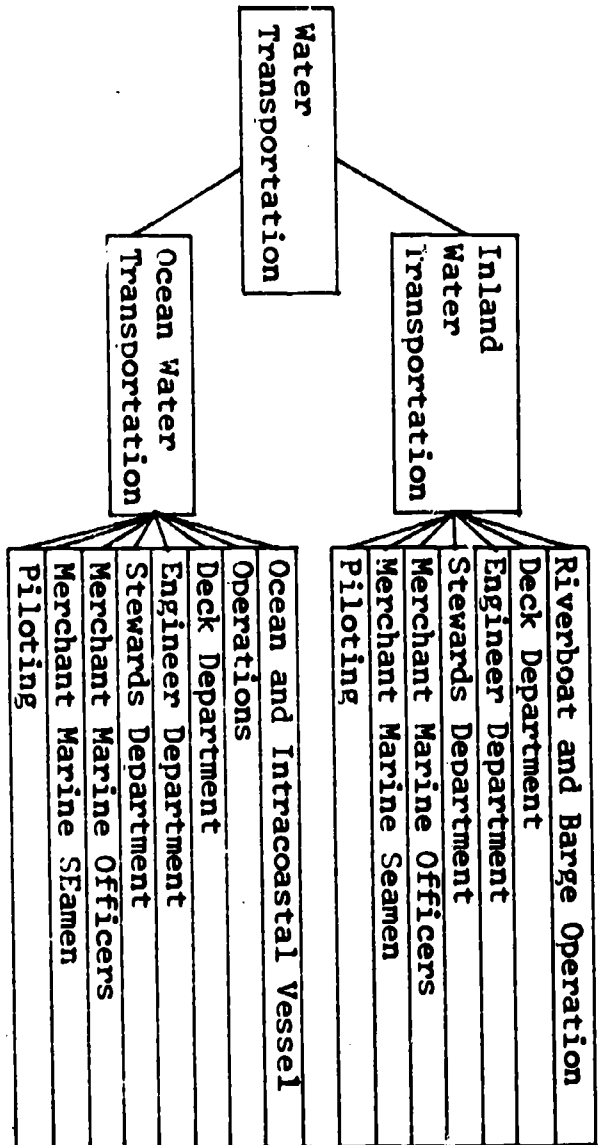
CLUSTER INDEX

Transportation	A-1, 2, 3
Fine Arts and Humanities	B-1
Communication and Media	C-1, 2
Personal Services Occupations	D-1, 2, 3
Construction	E-1, 2, 3
Hospitality and Recreation	F-1, 2, 3, 4
Health Occupations	G-1, 2, 3, 4, 5
Marine Science Occupations	H-1, 2, 3, 4, 5
Consumer and Homehaming--Related Occupations	I-1, 2, 3, 4
Agri-Business and Natural Resources	J-1, 2, 3, 4, 5
Environment	K-1, 2, 3, 4, 5
Public Service	L-1, 2, 3, 4, 5, 6
Business and Office Occupations	M-1, 2, 3
Manufacturing	N-1, 2
Marketing and Distribution Occupations	O-1, 2, 3

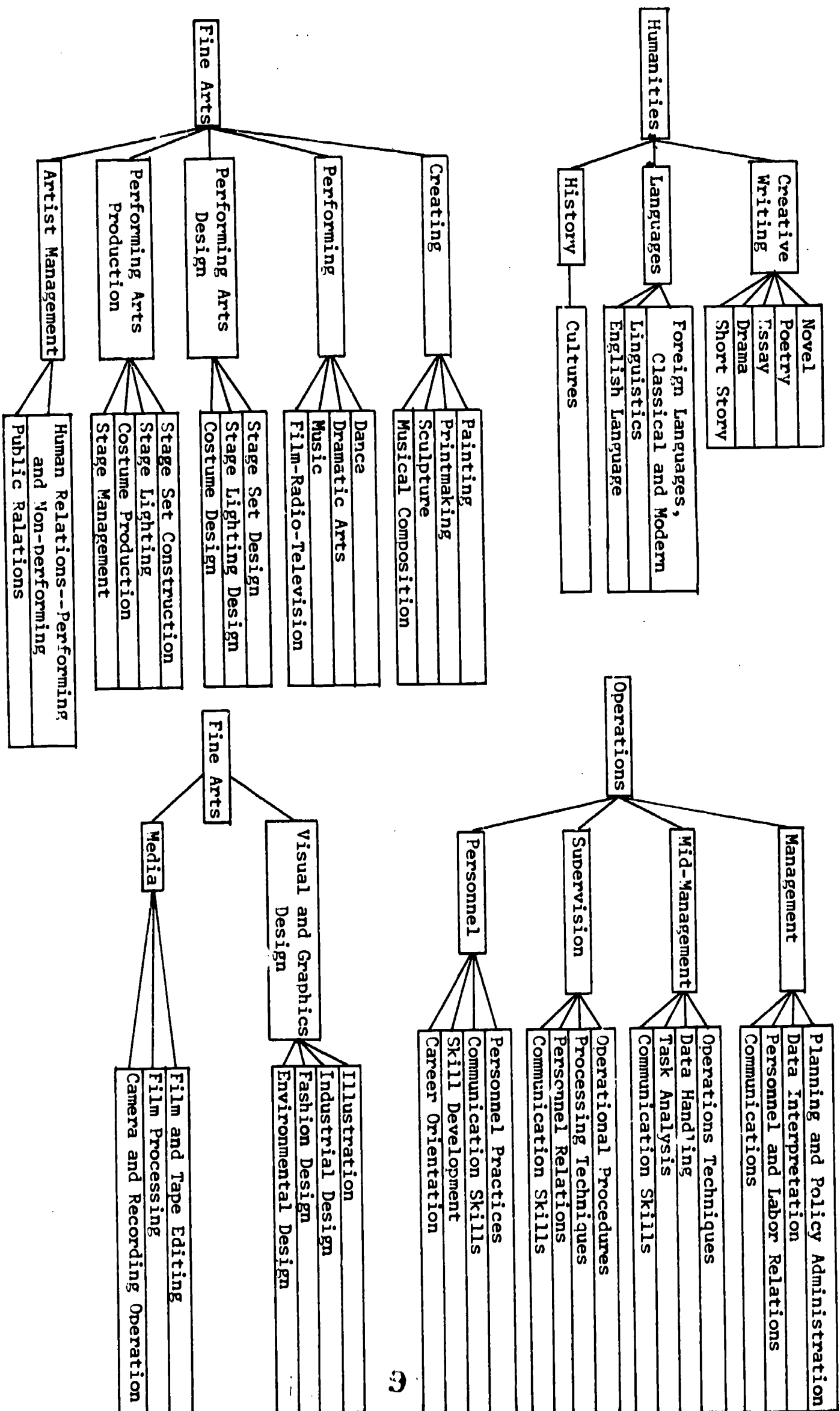
CLUSTER FOR TRANSPORTATION



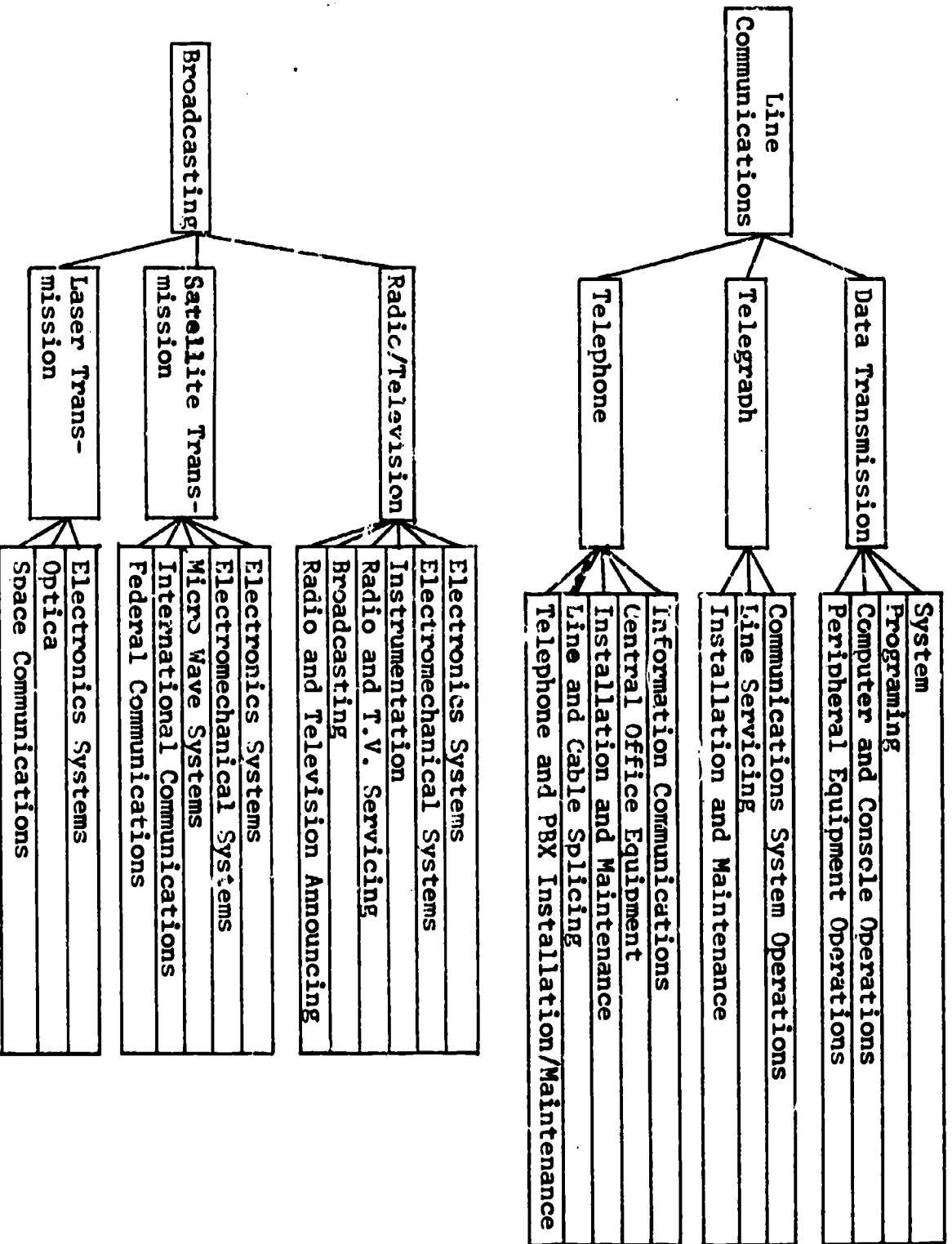


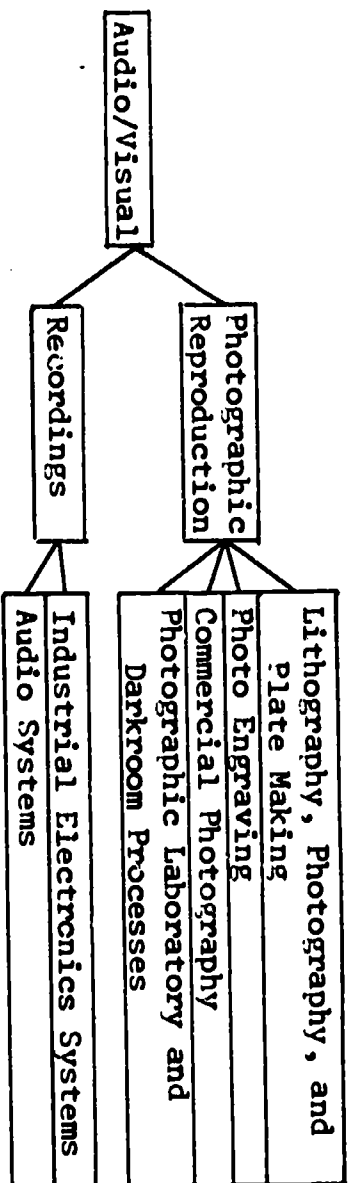
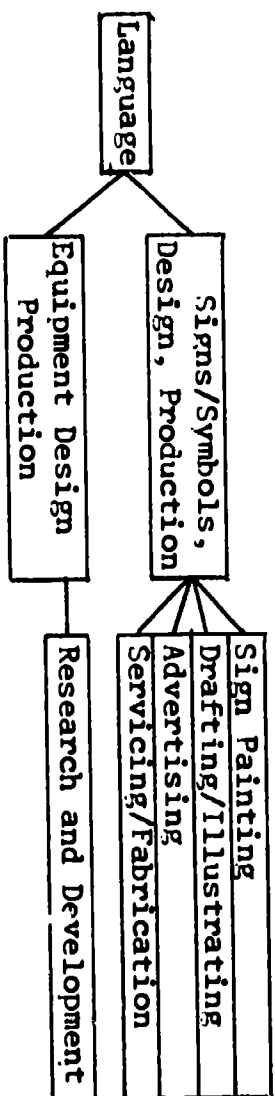
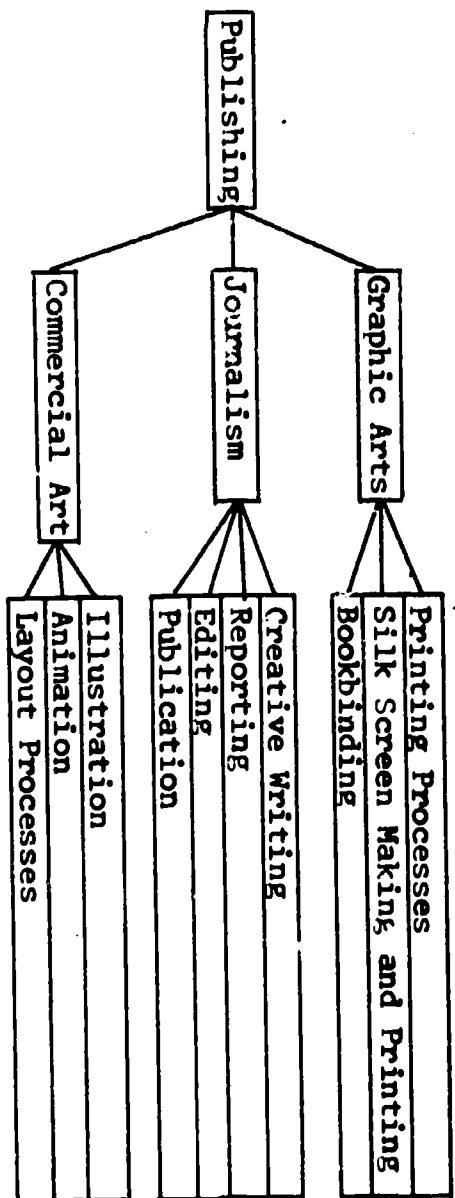


C O U N S I L L E R F O R F I N E A R T S A N D H U M A N I T I E S

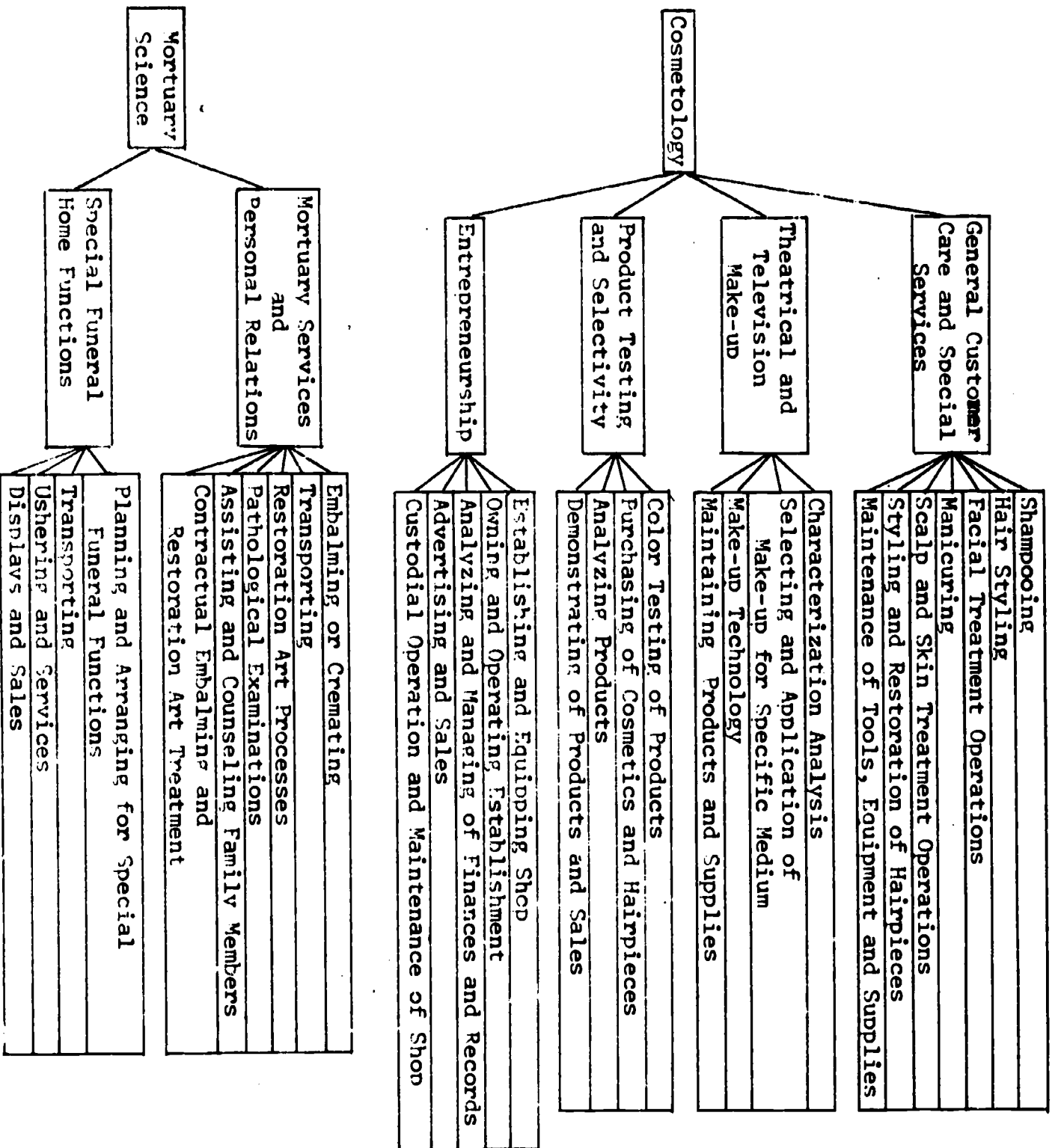


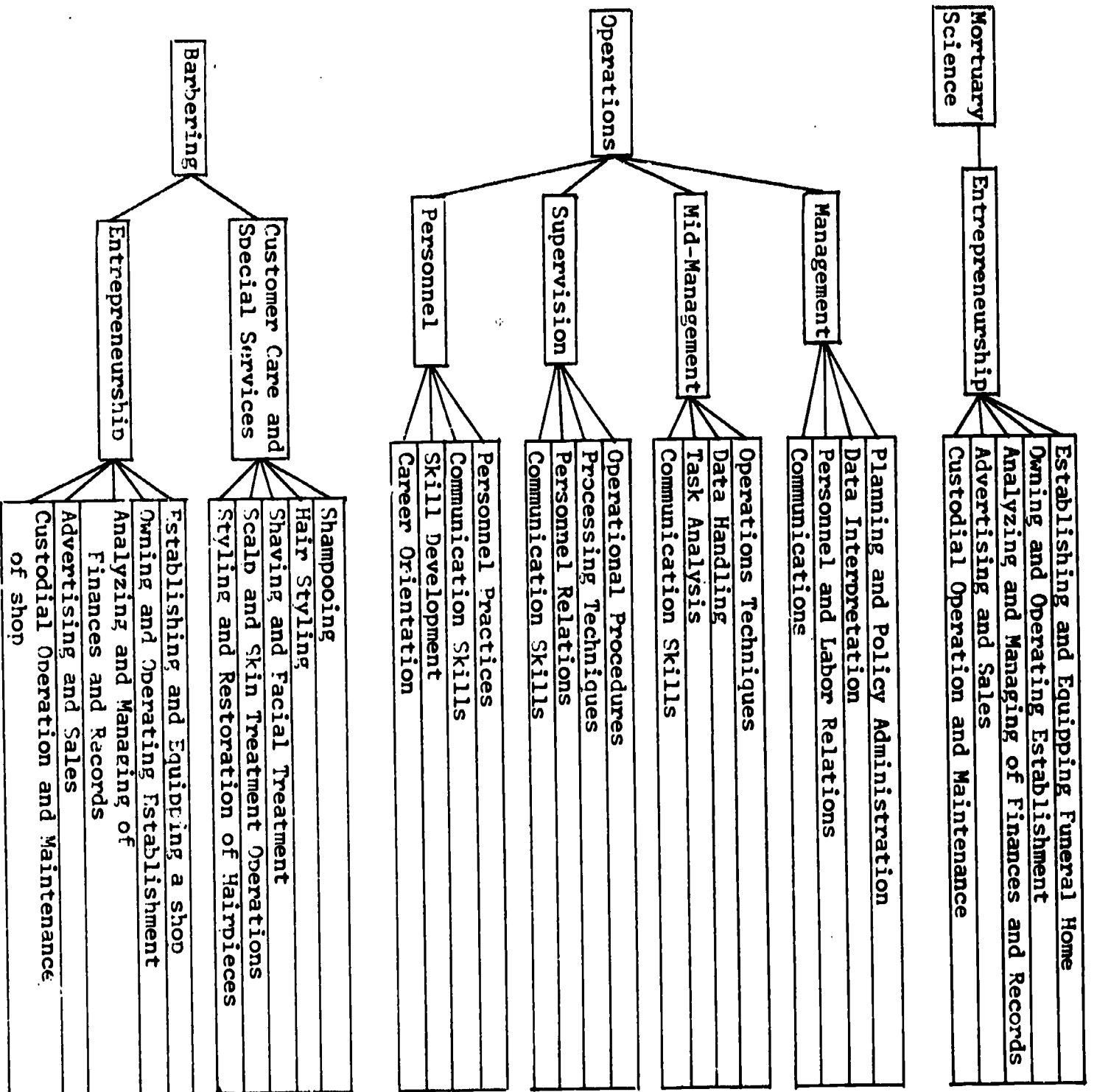
CLUSTER FOR COMMUNICATIONS AGEN MEDIA

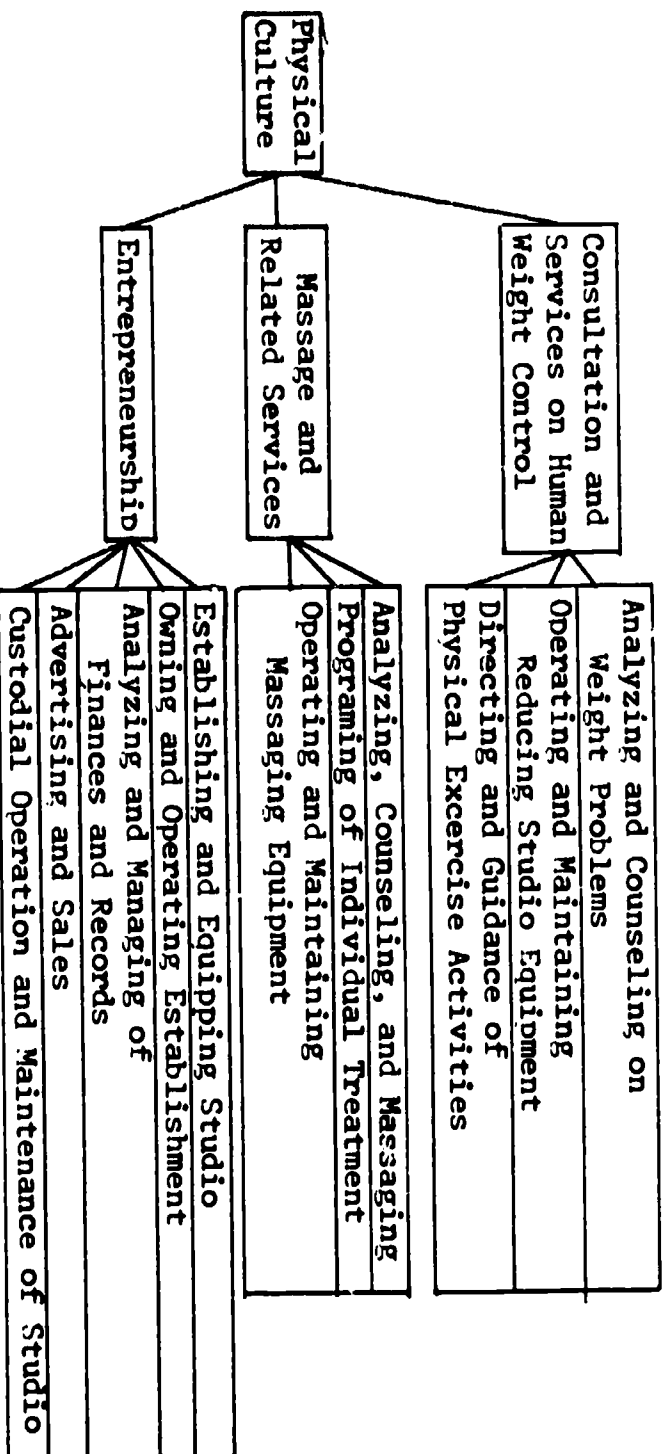
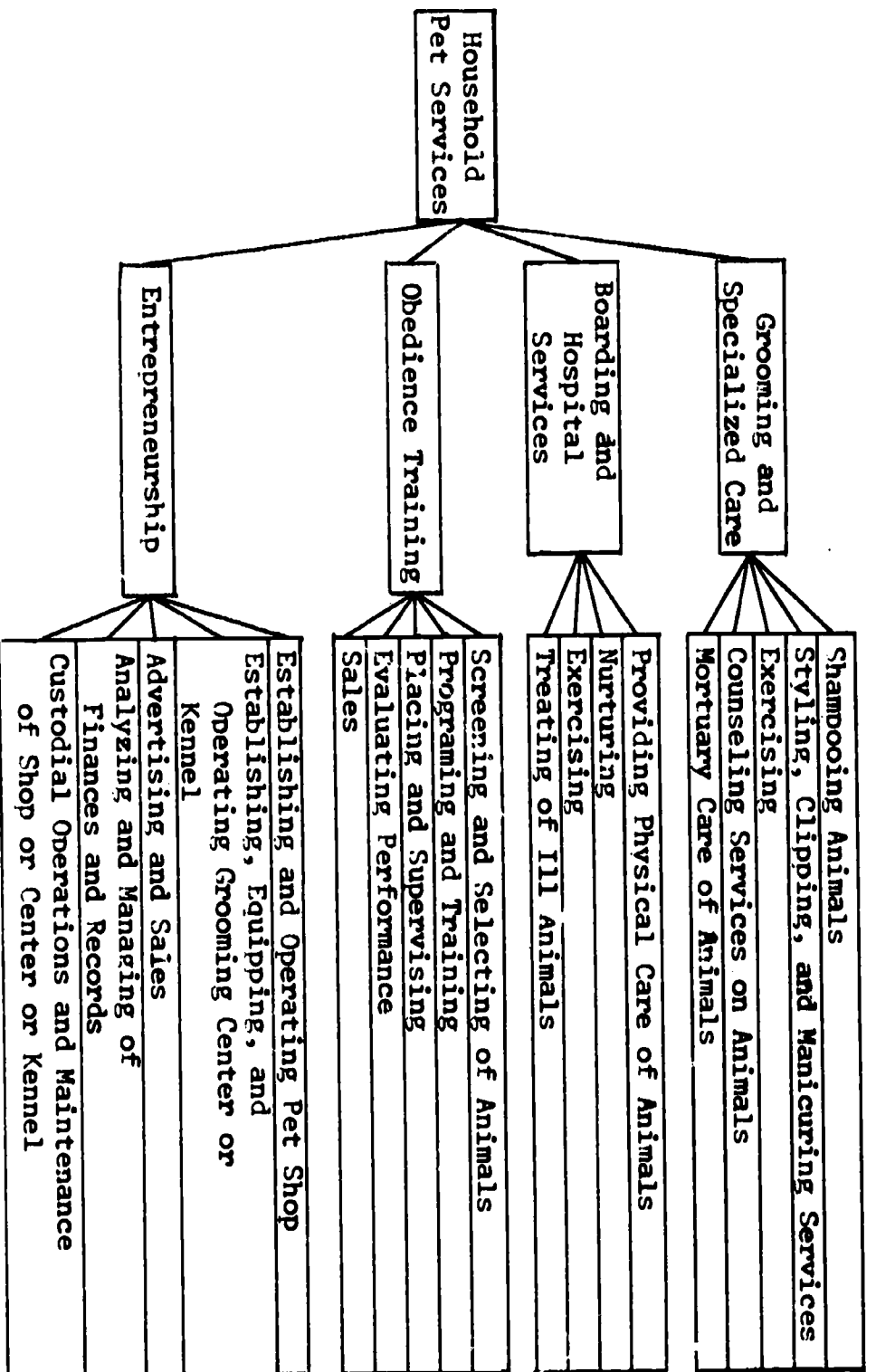




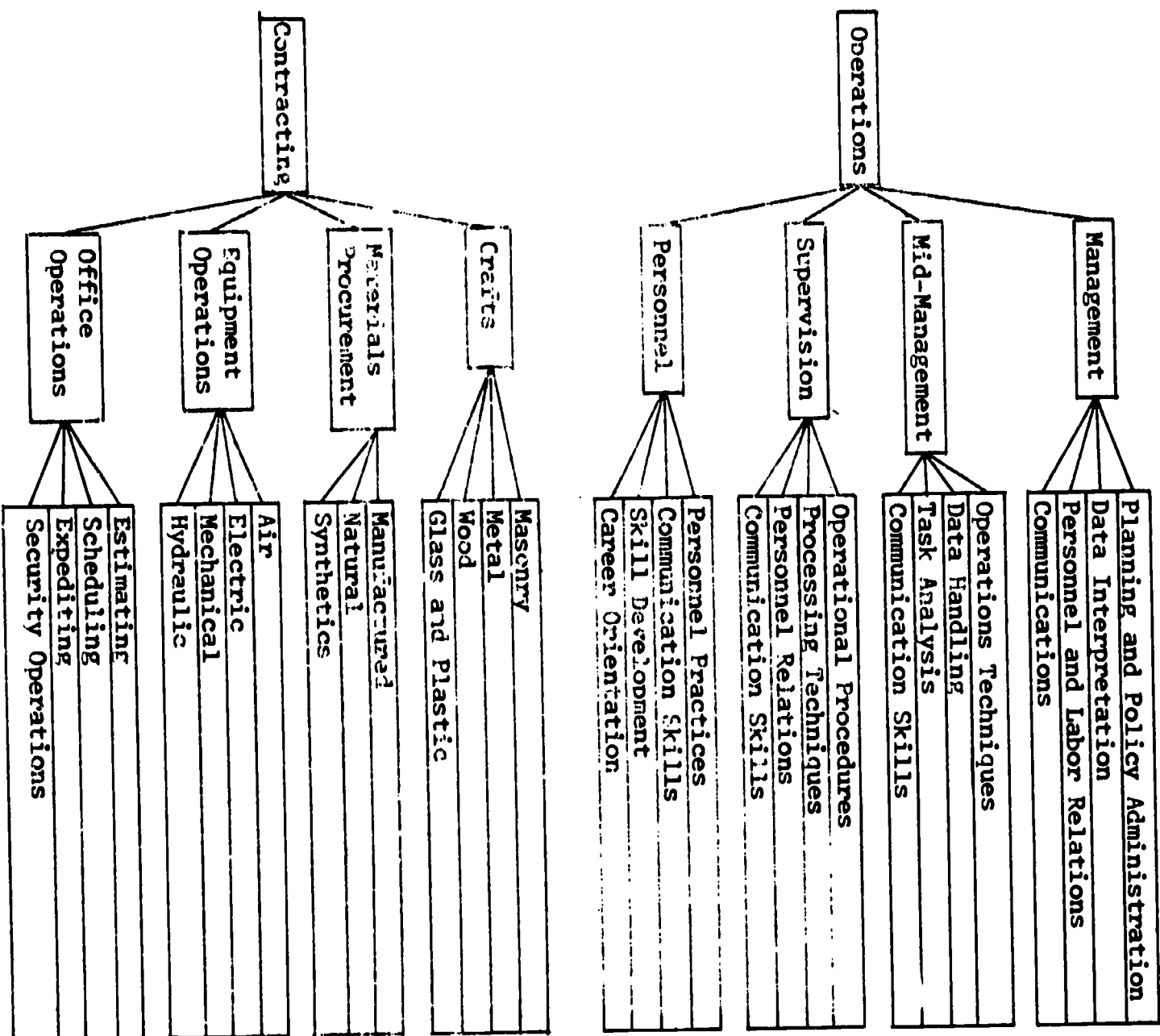
CLUSTER FOR PROFESSIONAL SERVICES OCCUPATIONS

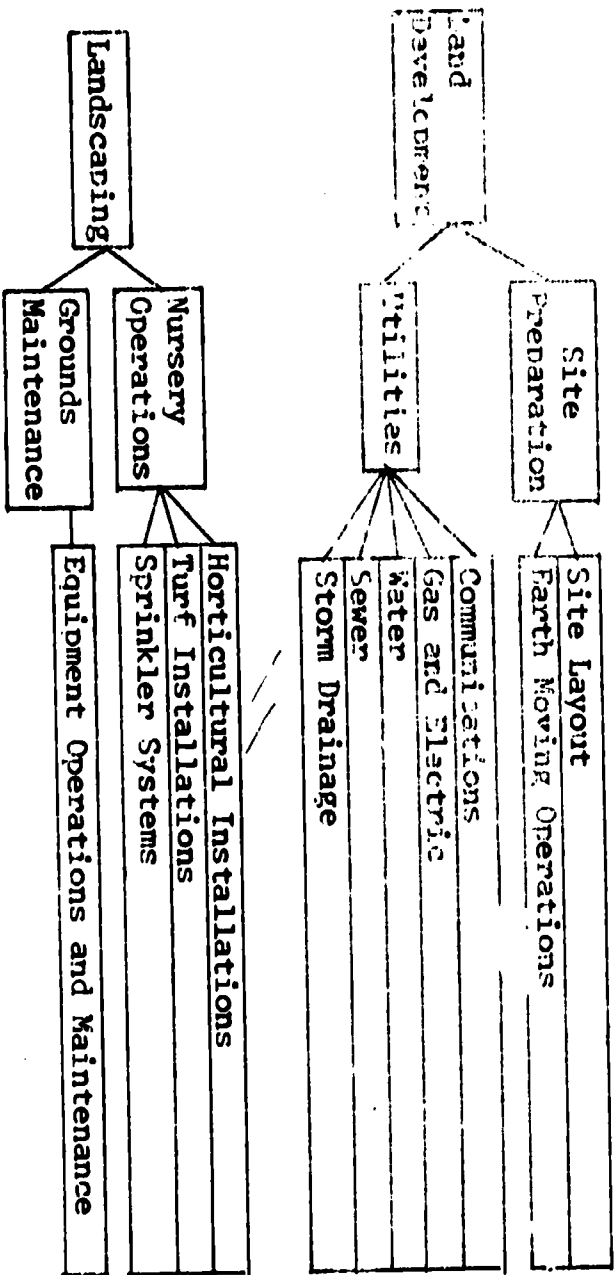
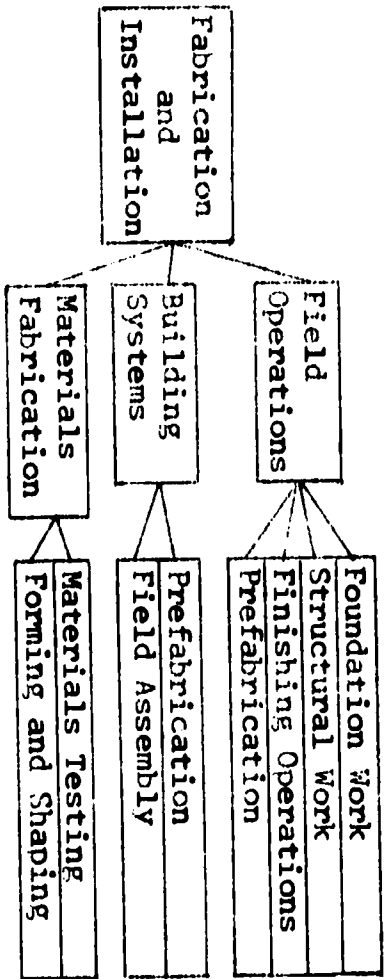
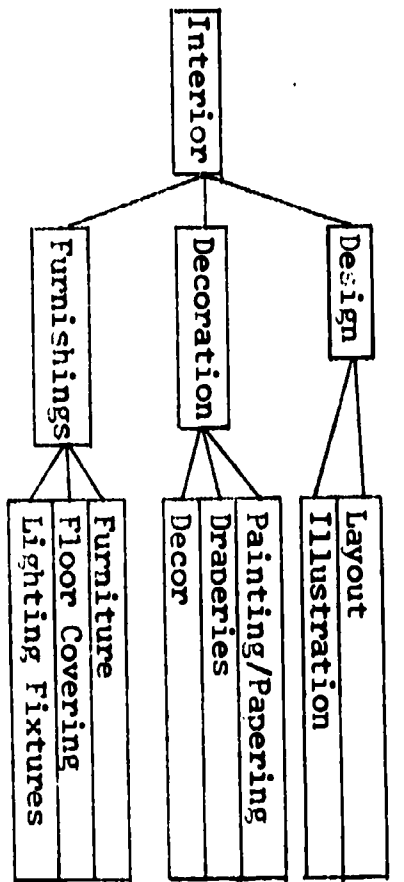




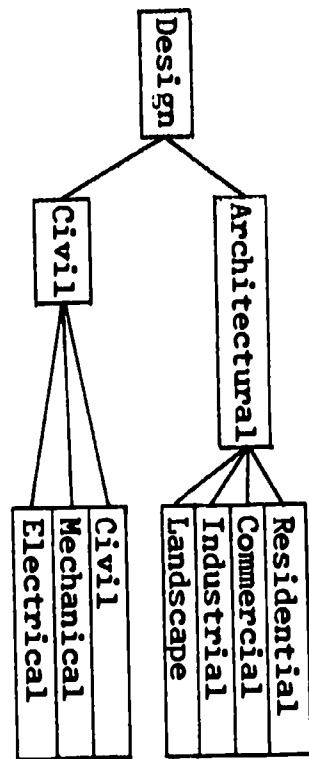


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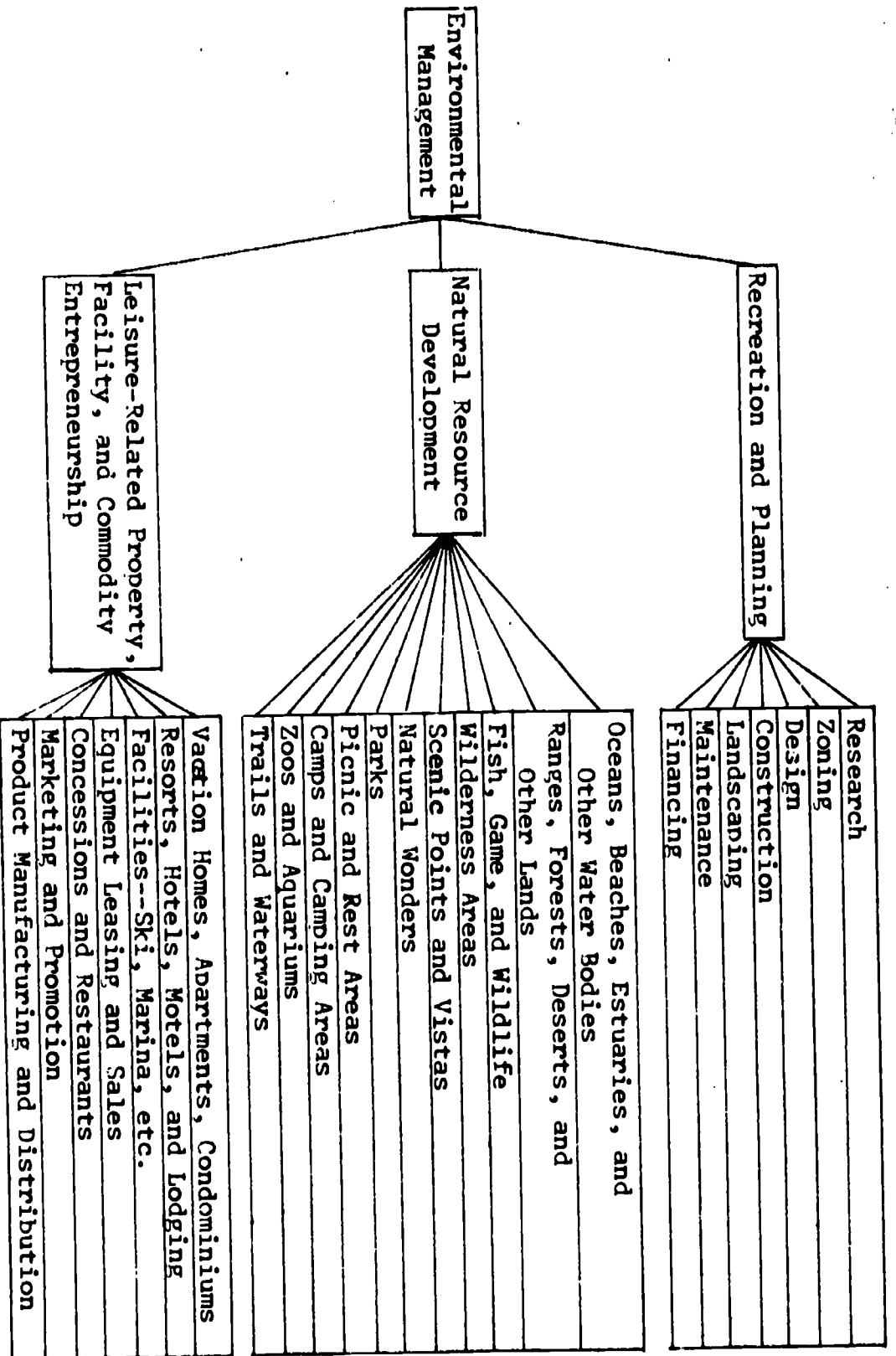


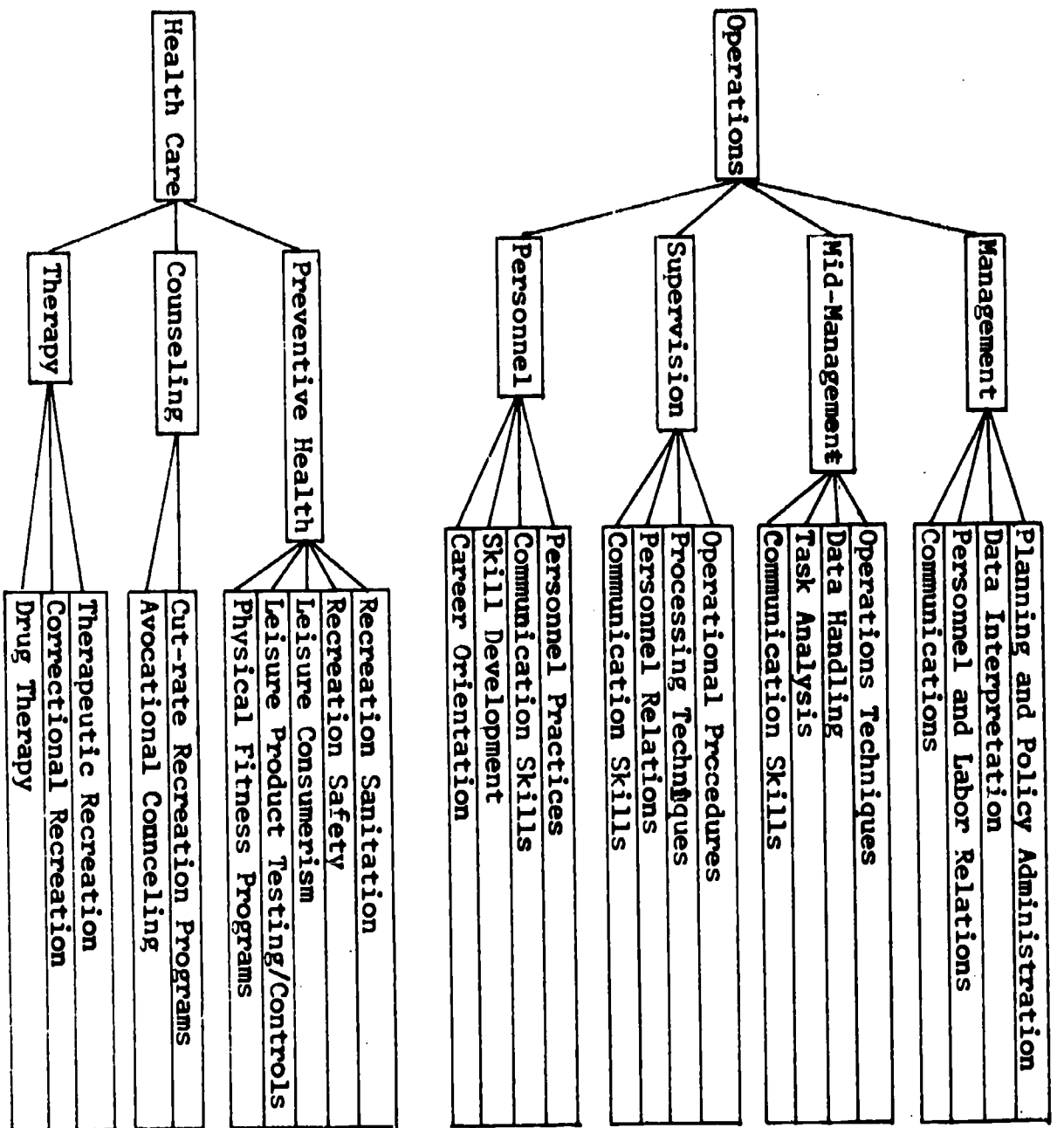
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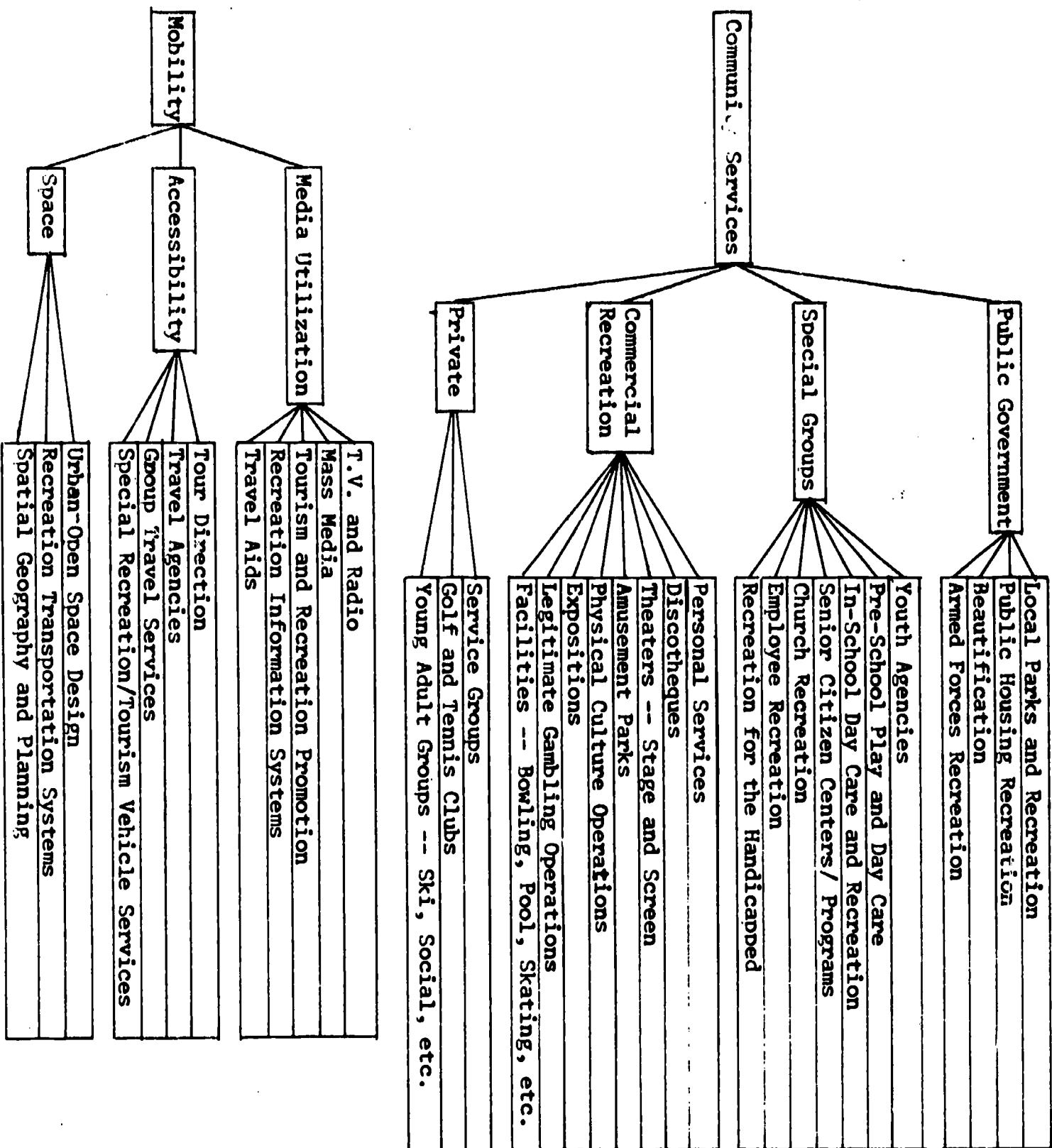


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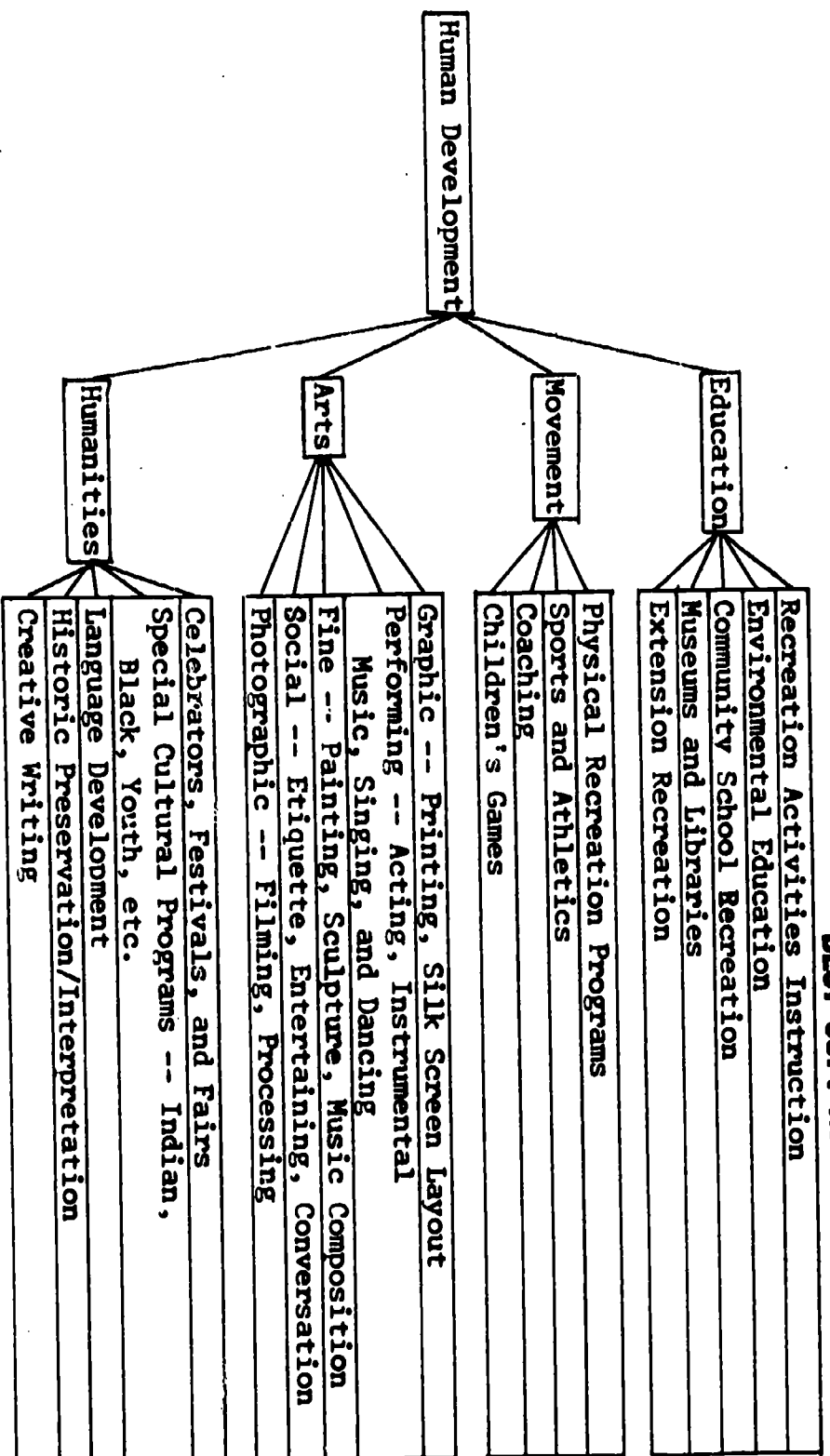
HOSPITALITY AND RECREATION



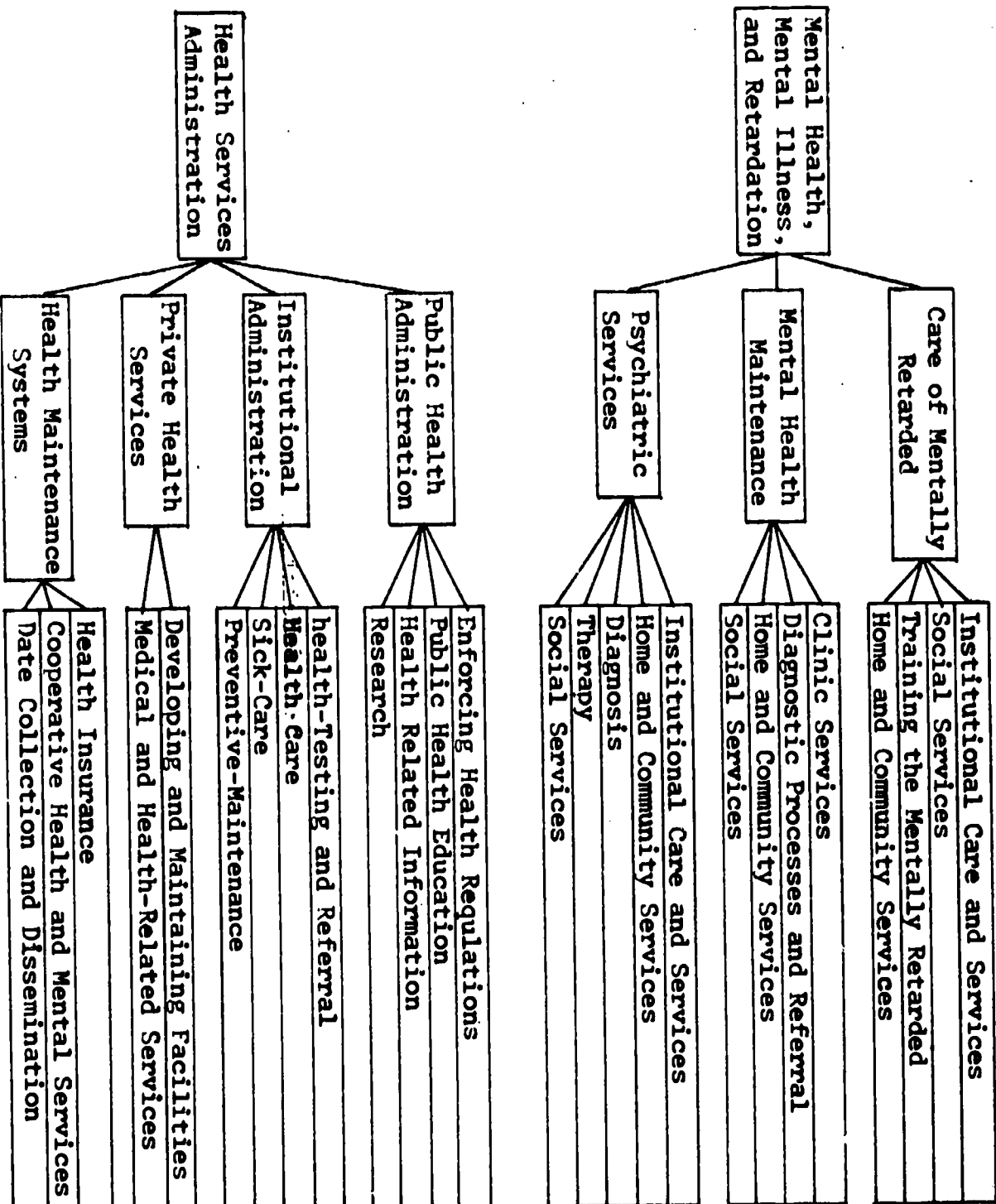


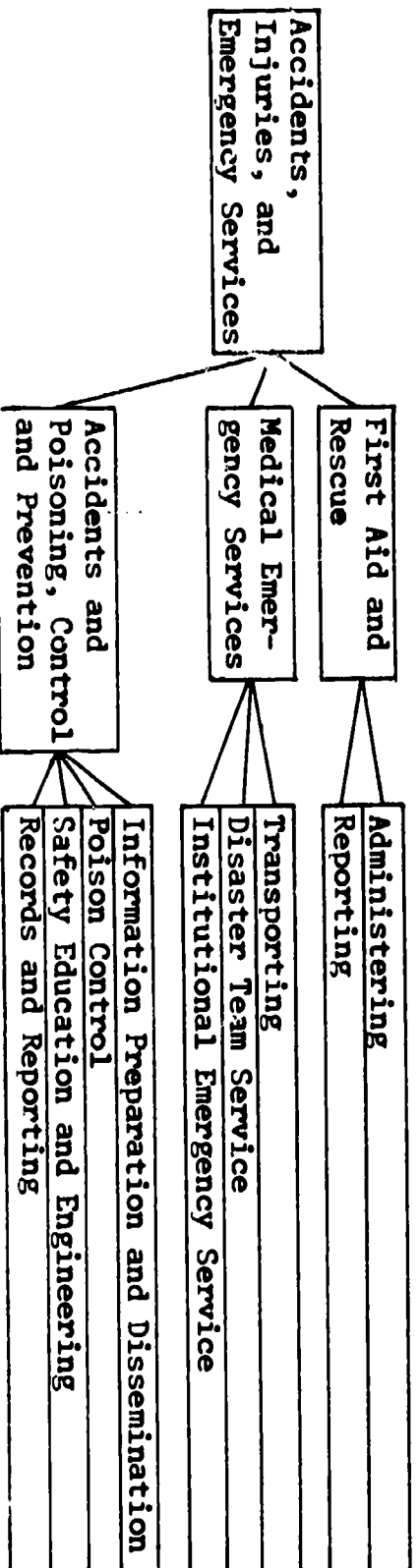
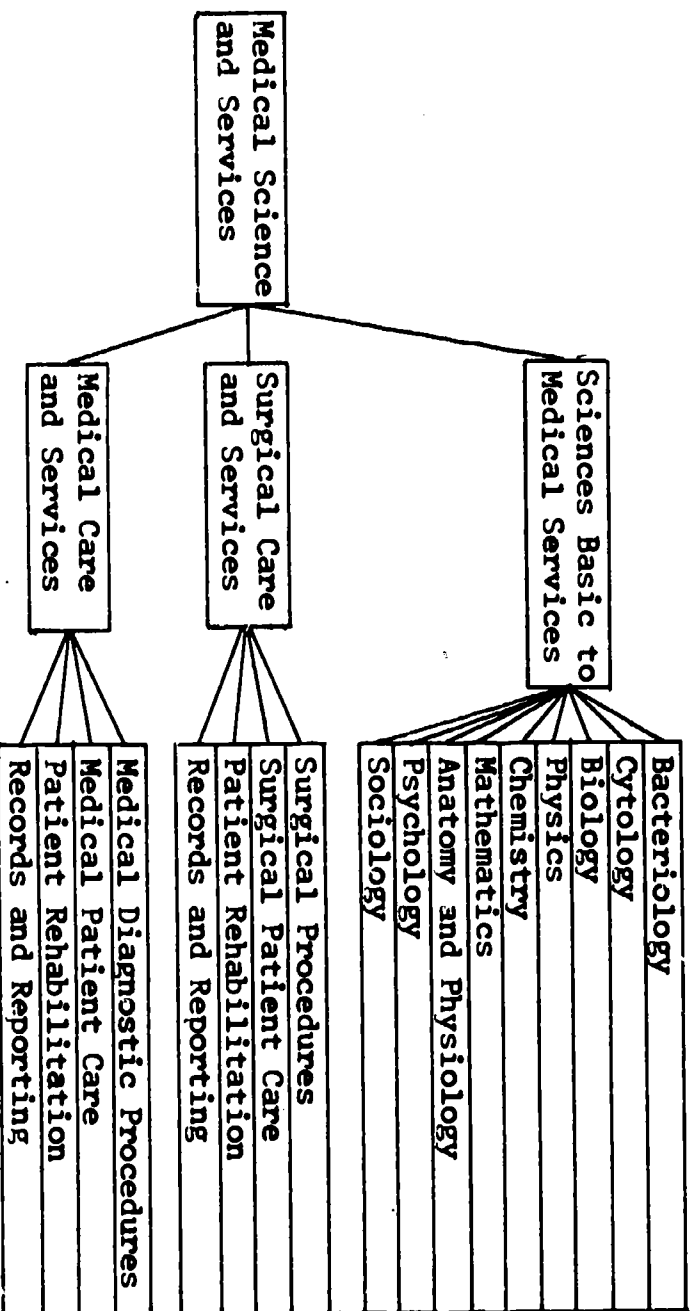
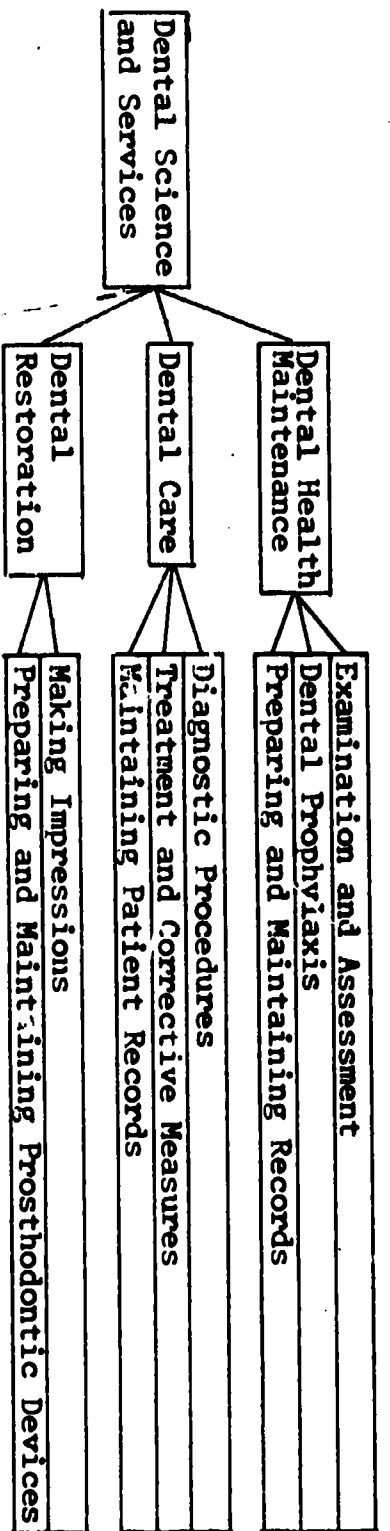


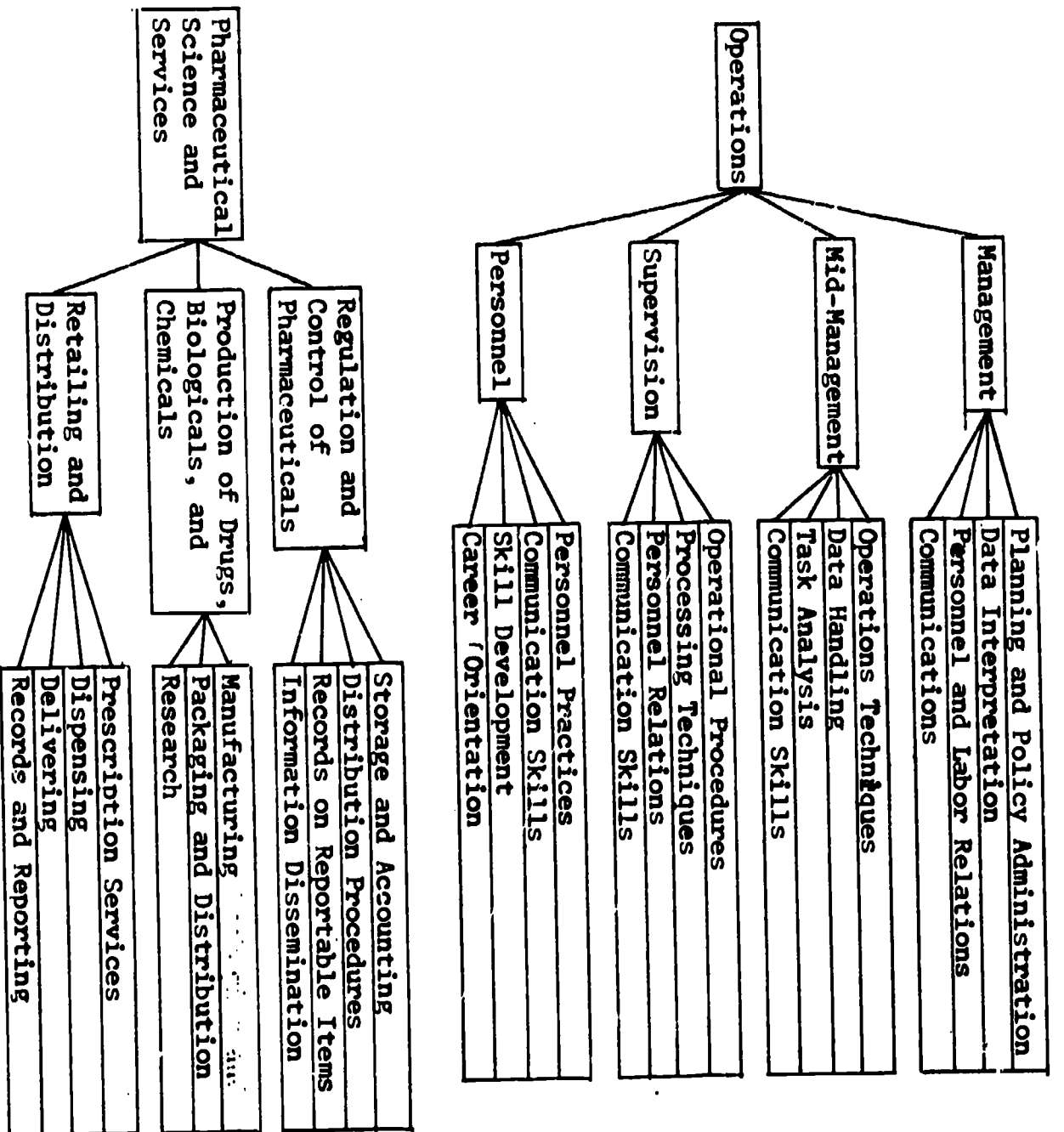
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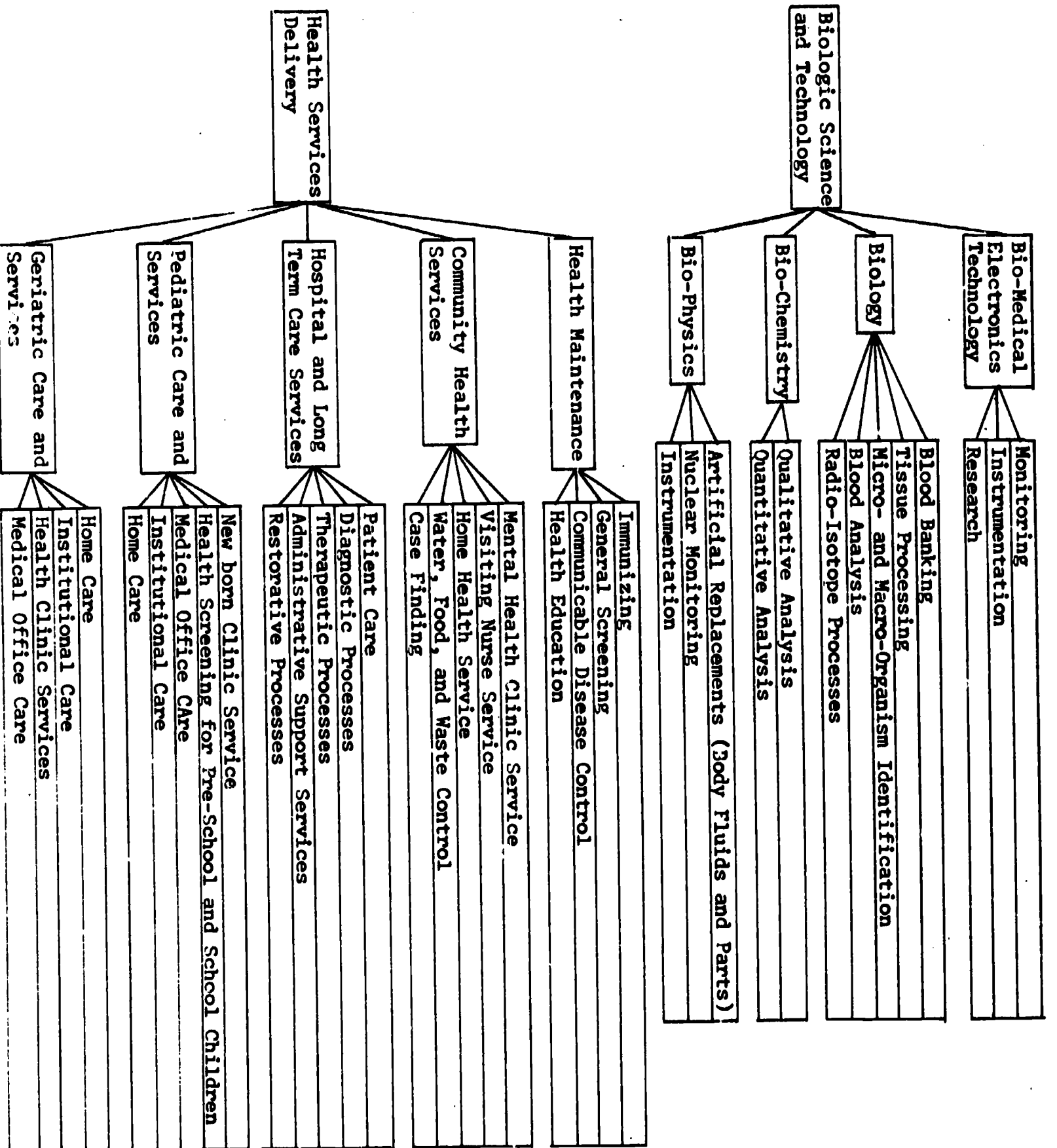


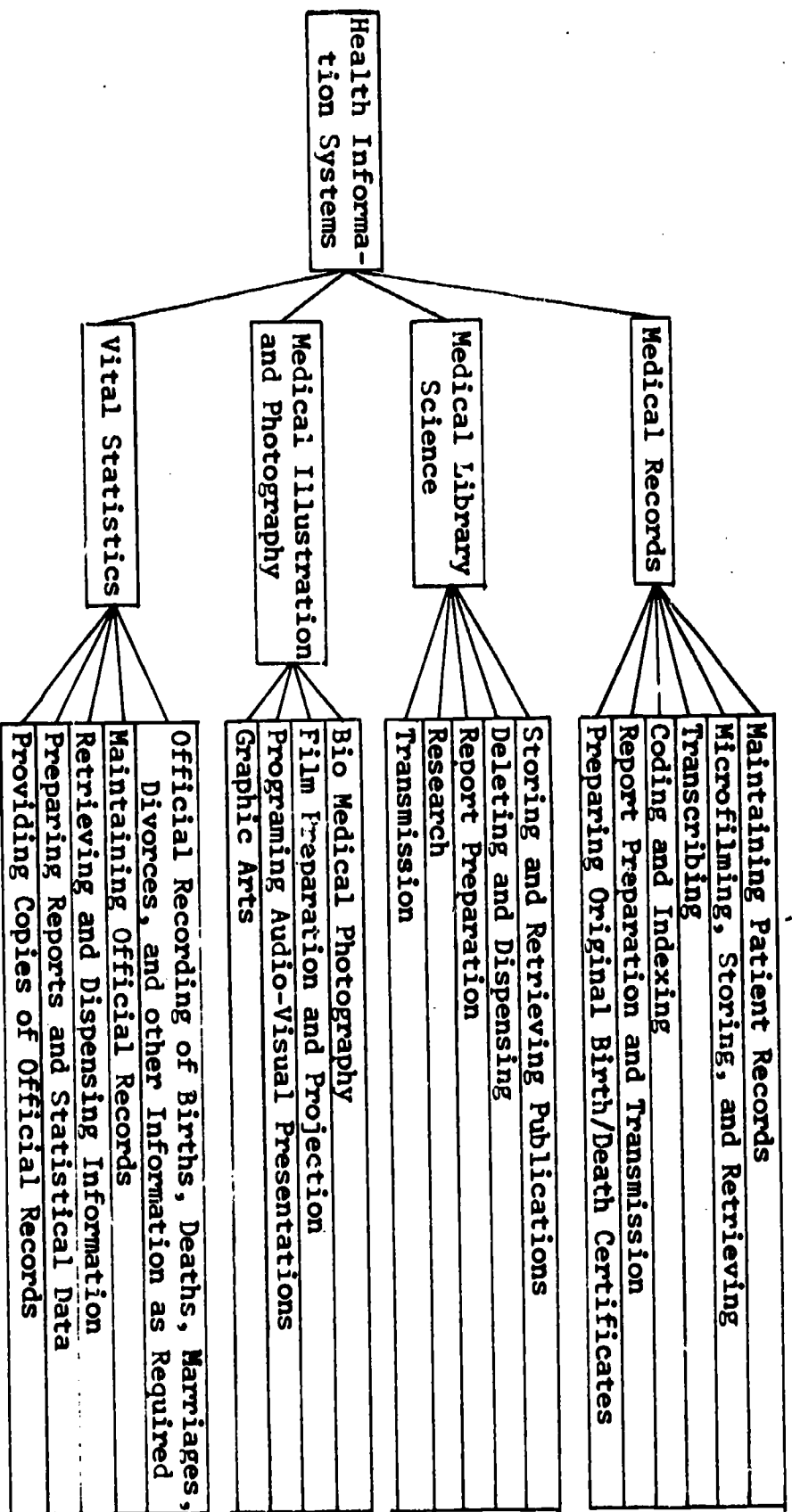
CLUSTER FOR HEALTH OCCUPATIONS











CLUSTER FOR MARINE SCIENCE OCCUPATIONS

Marine Transportation (See Cluster for Transportation)

Marine Biology

Marine Ecology Research

- Marine Plant and Animal Relationship Studies
- Water Chemistry Effects on Marine Life
- Temperature Effects on Marine Life
- Affects of Light on Marine Life
- Effects of Commercial Fishing on Marine Life Systems
- Control of Marine Life Systems to Conserve Species

Underwater Construction

- Construction Tender Vessel Operation
- Underwater Rigging
- Underwater Welding, Cutting, Fastening, and Assembly
- Underwater Anchoring, Stabilizing, Cabling, and Marking Systems
- Submarine Piping and Pumping Systems
- Underwater Repair and Maintenance

Underwater Construction and Salvage

Underwater Salvage Demolition

- Salvage Ship Operation
- Salvage by Air Tank Flotation
- Salvage by Diving and Recovering
- Salvage Law and Regulation
- Underwater Demolition Device Design, Placement, and Deterioration

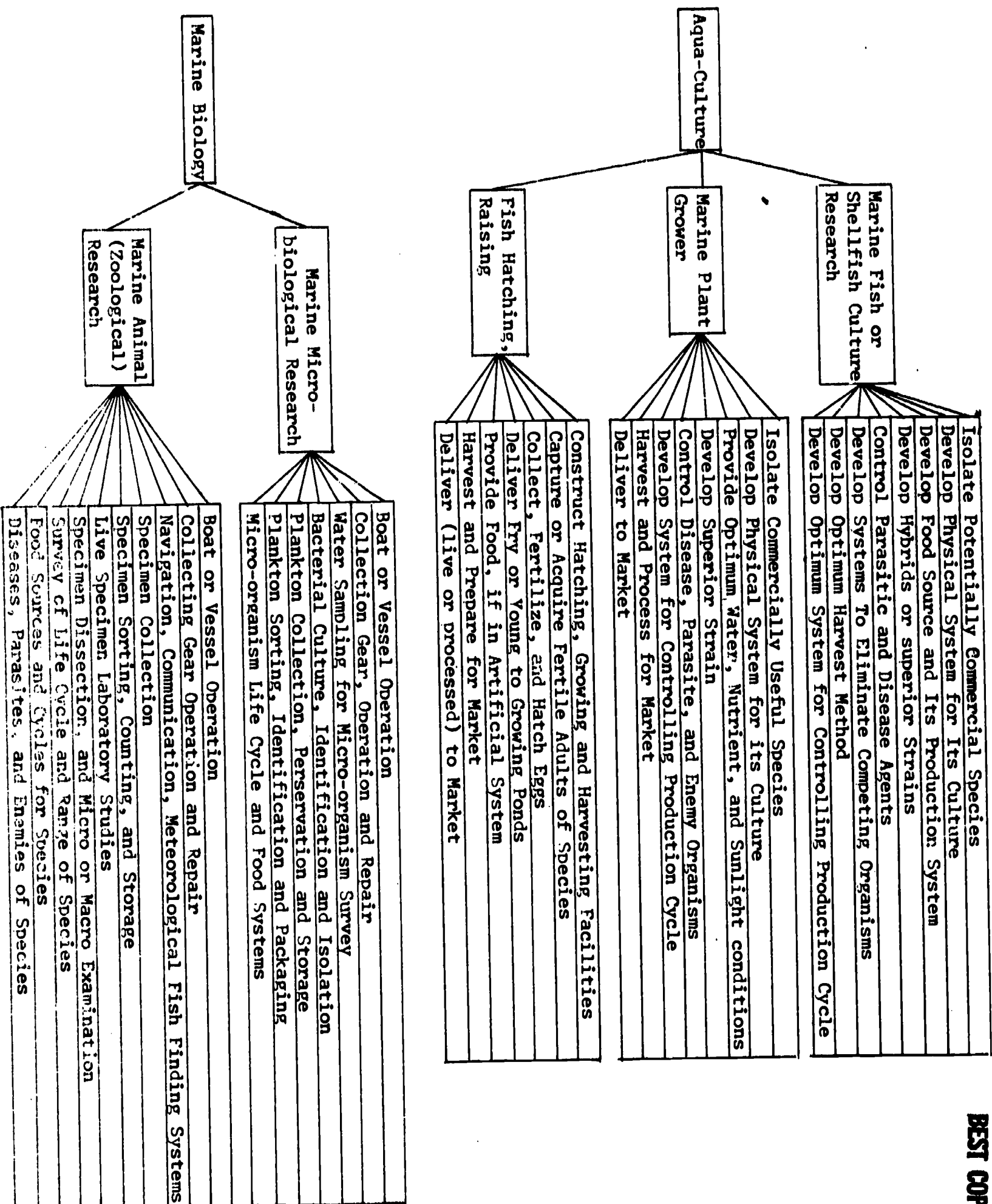
Ocean Fishing

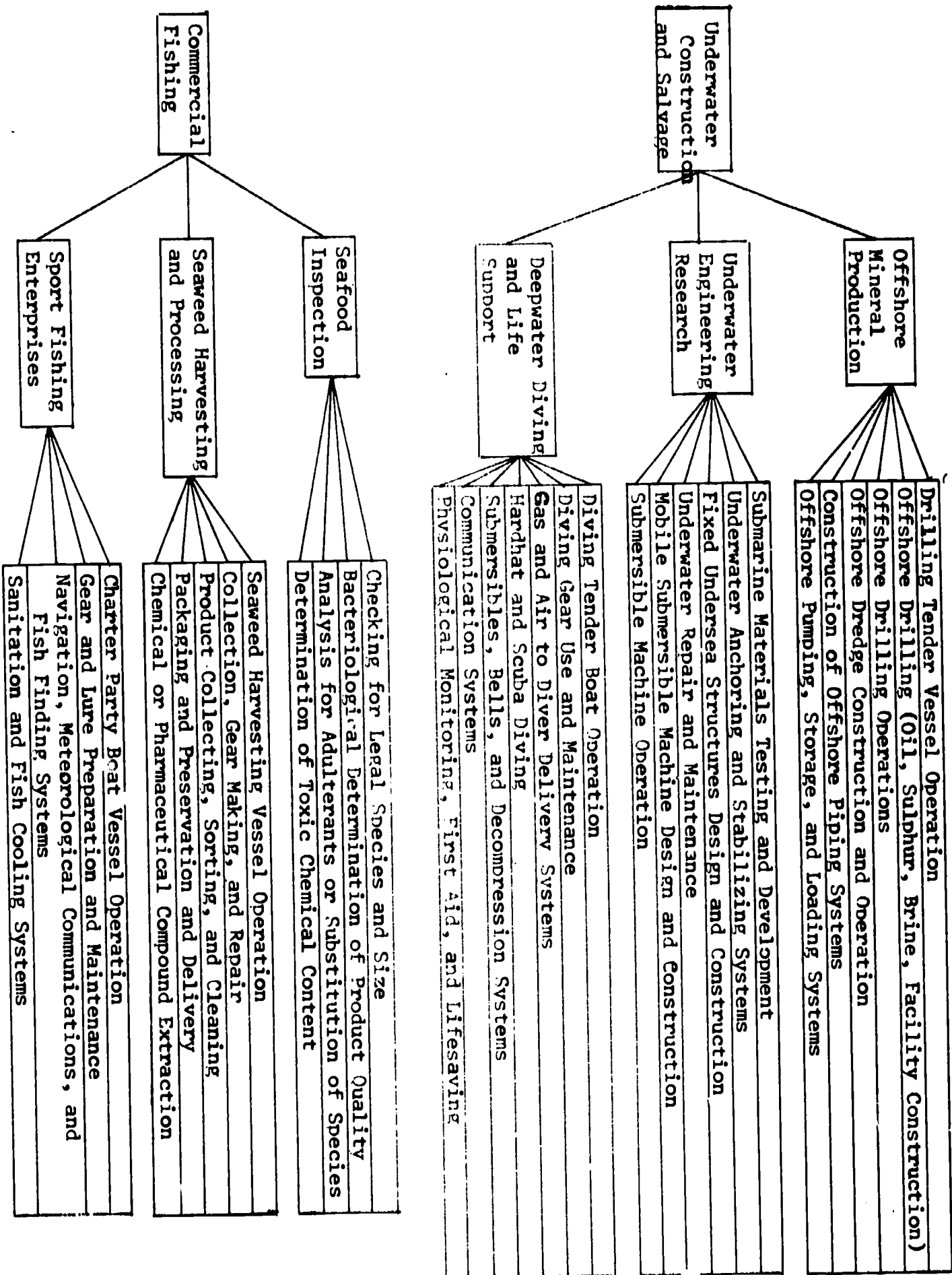
- Coffshore Fishing Vessel Operation
- Trawler and Dragger Operation
- Inshore Fishing Operations
- Seine, Net, Trap, and Gear Making and Repair
- Meteorology, Navigation, Communication, and Fish Finding Systems
- Shipboard Product Sorting, Stowing, and Quality Control

Commercial Fishing

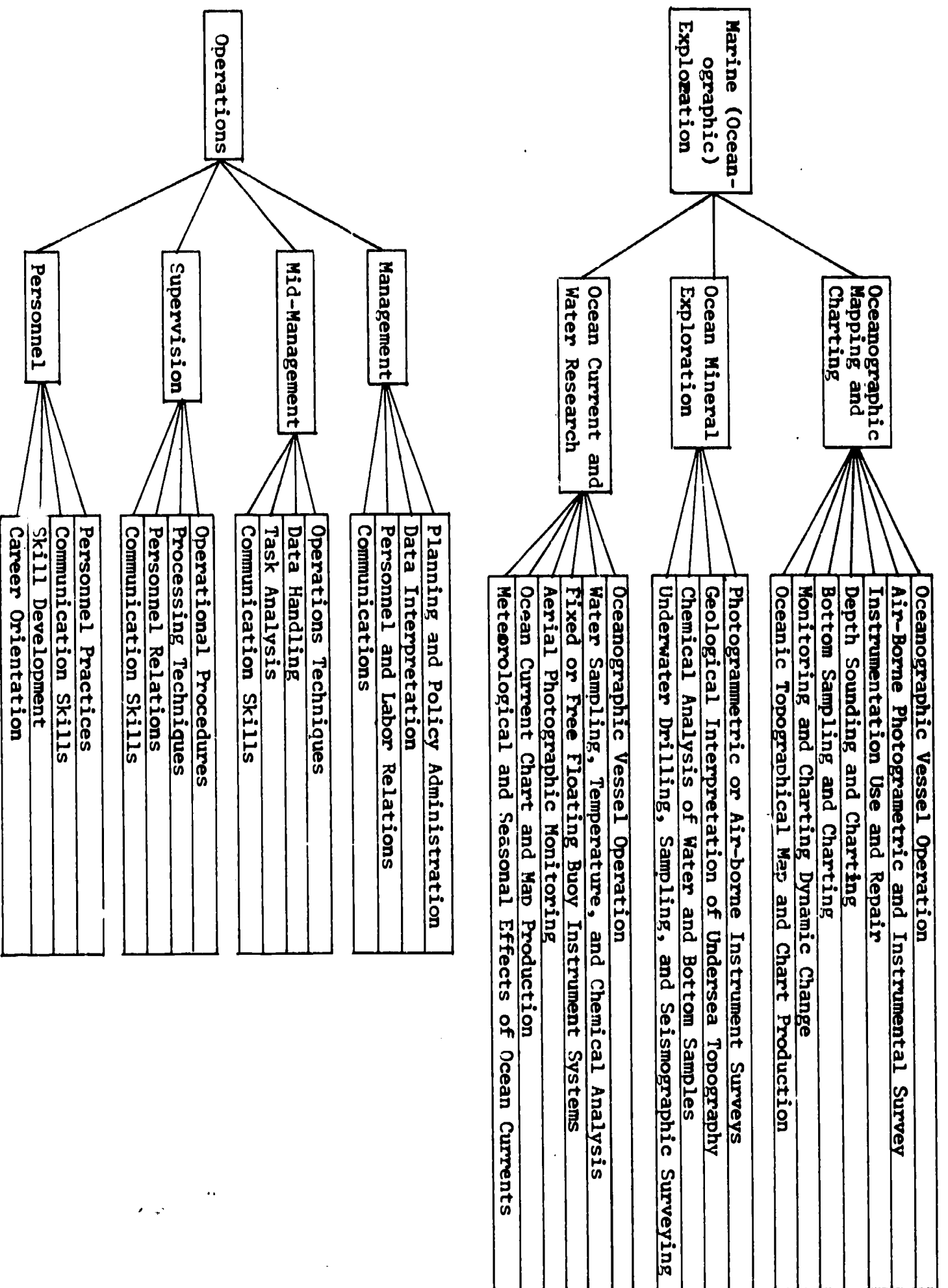
Seafood Processing

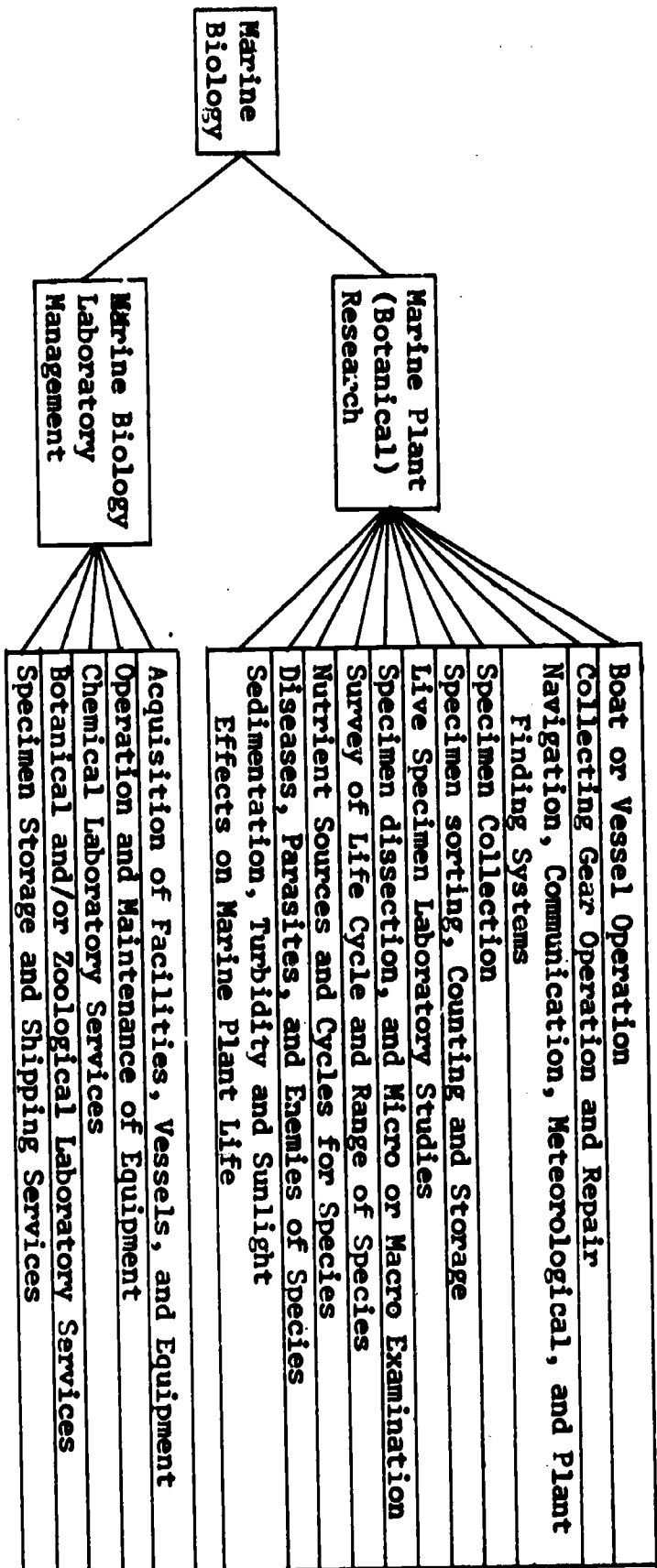
- Shipboard or on-shore Raw Fish Preparation
- Product Cooking
- Product Packaging
- Product Preservation (Canning, Freezing, Salting, Drying, Pickling, etc.)
- Product Marketing
- By-Products Production (Oil, Meat, Animal Food, Food, Fertilizer, or Shells)



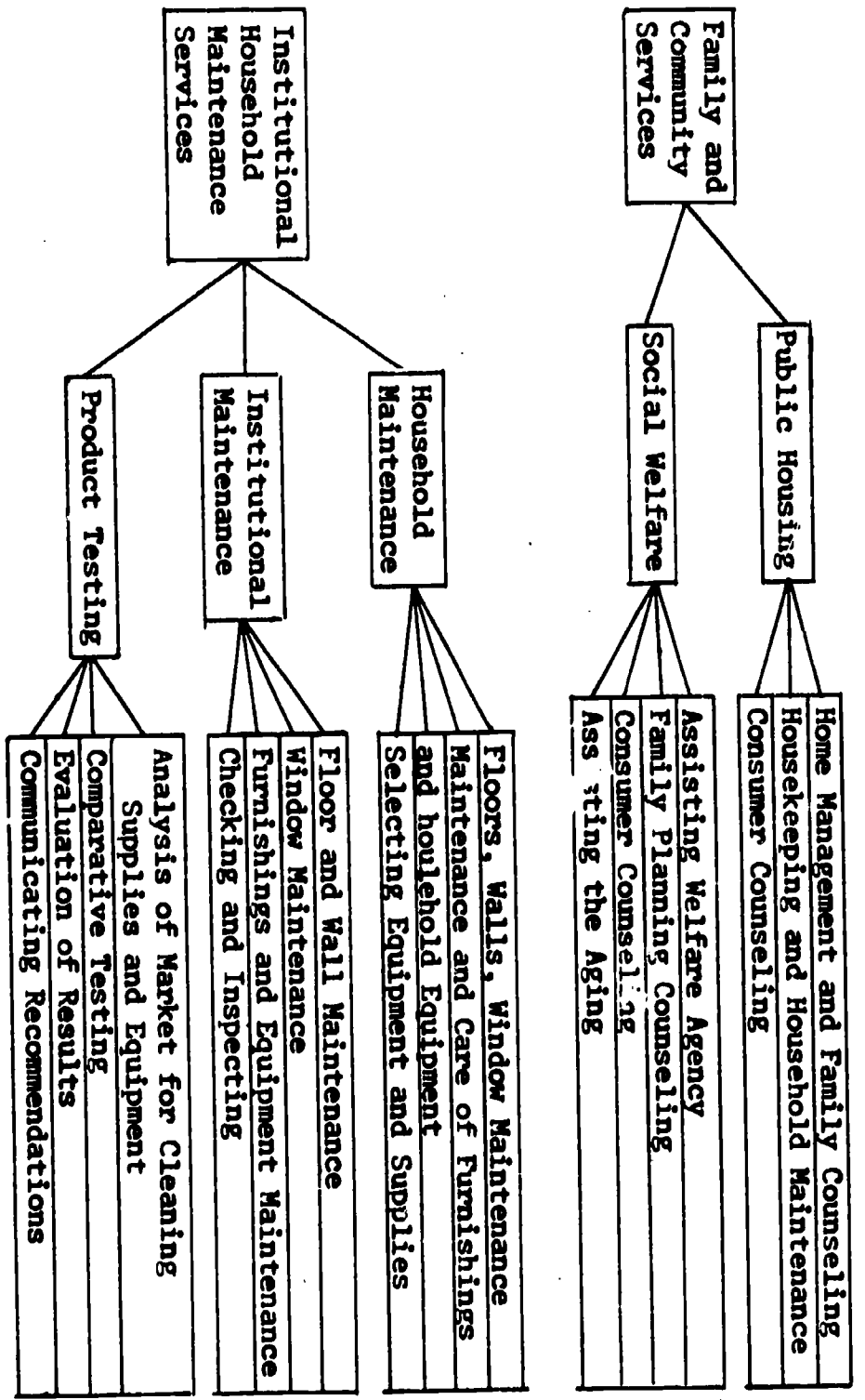


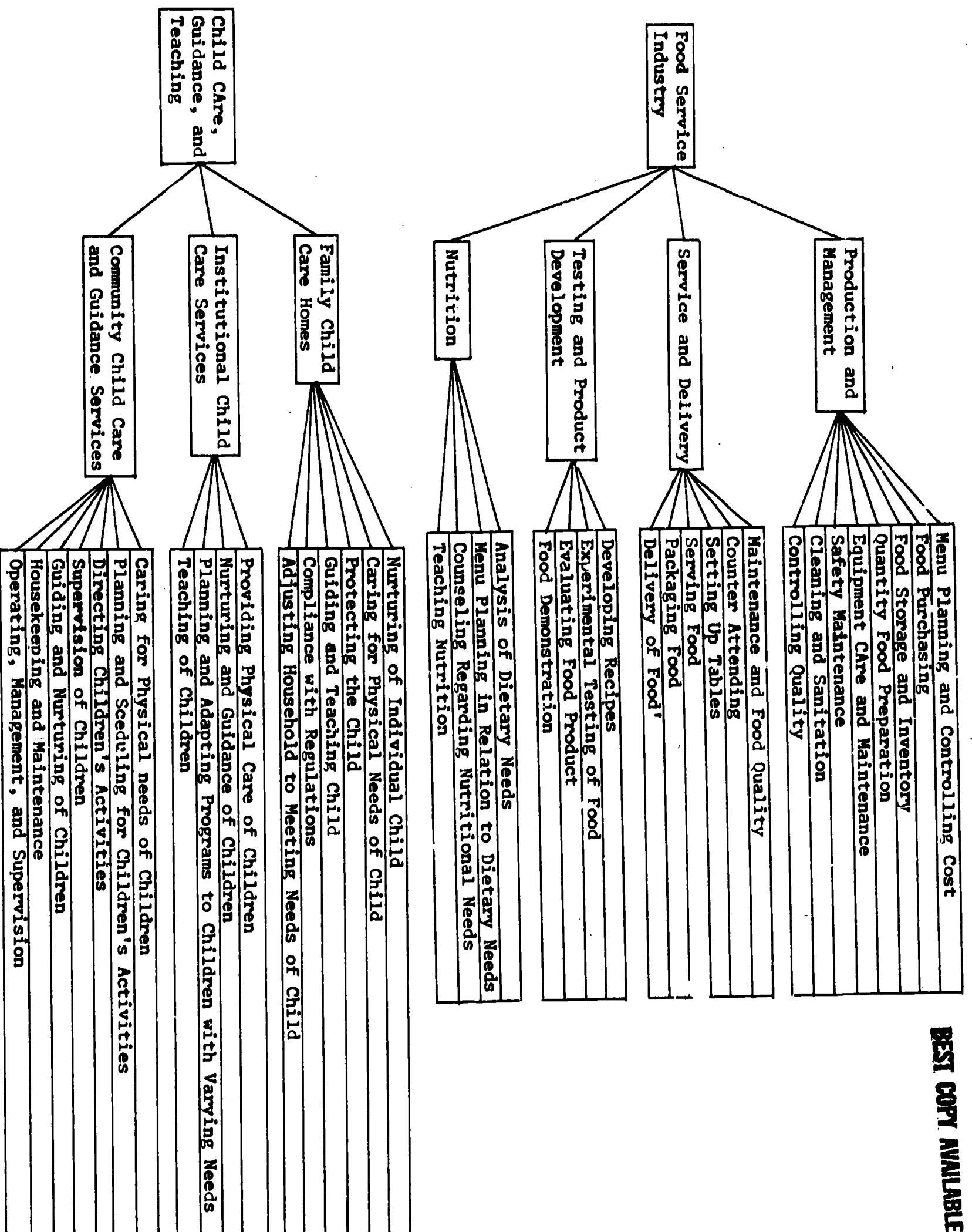
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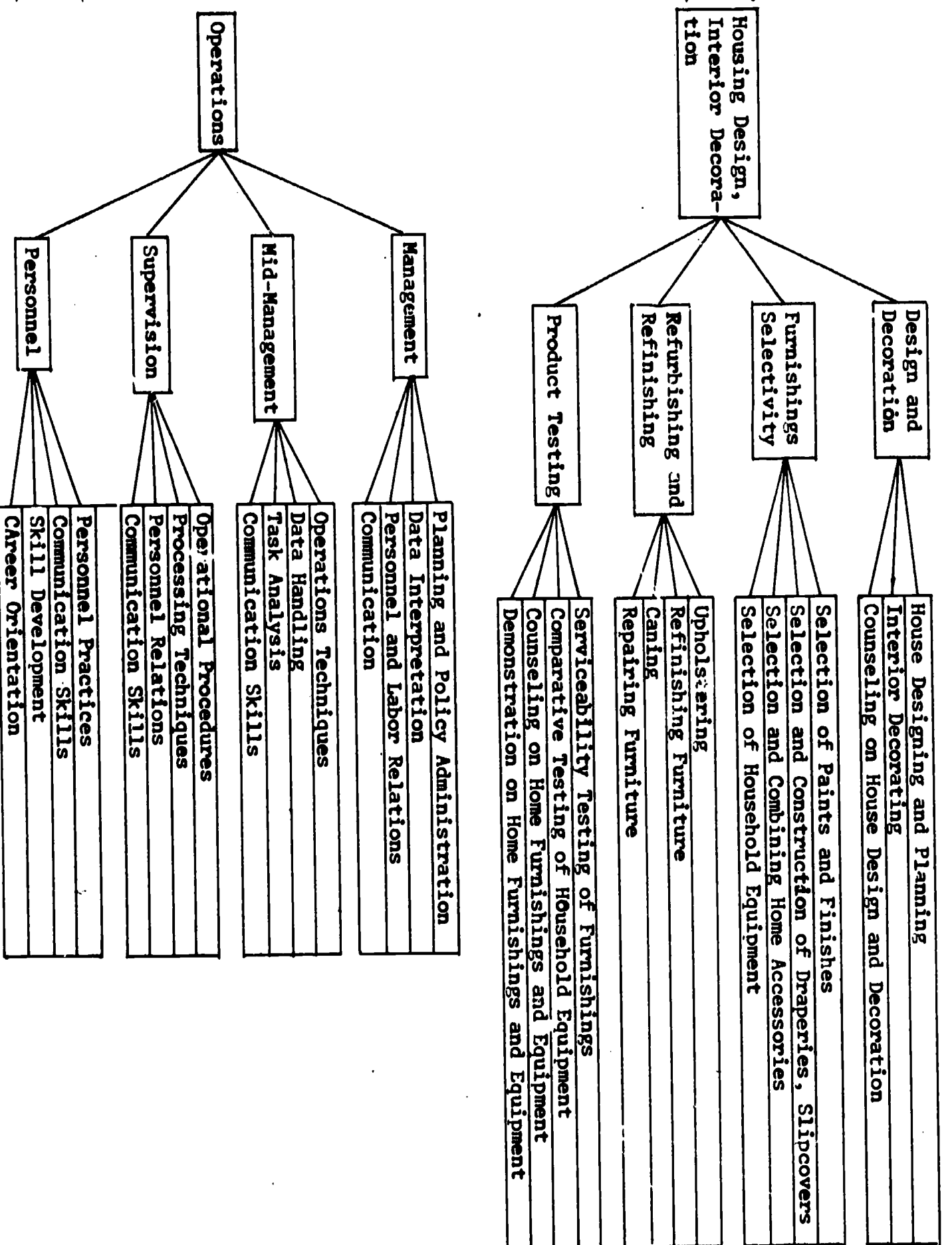


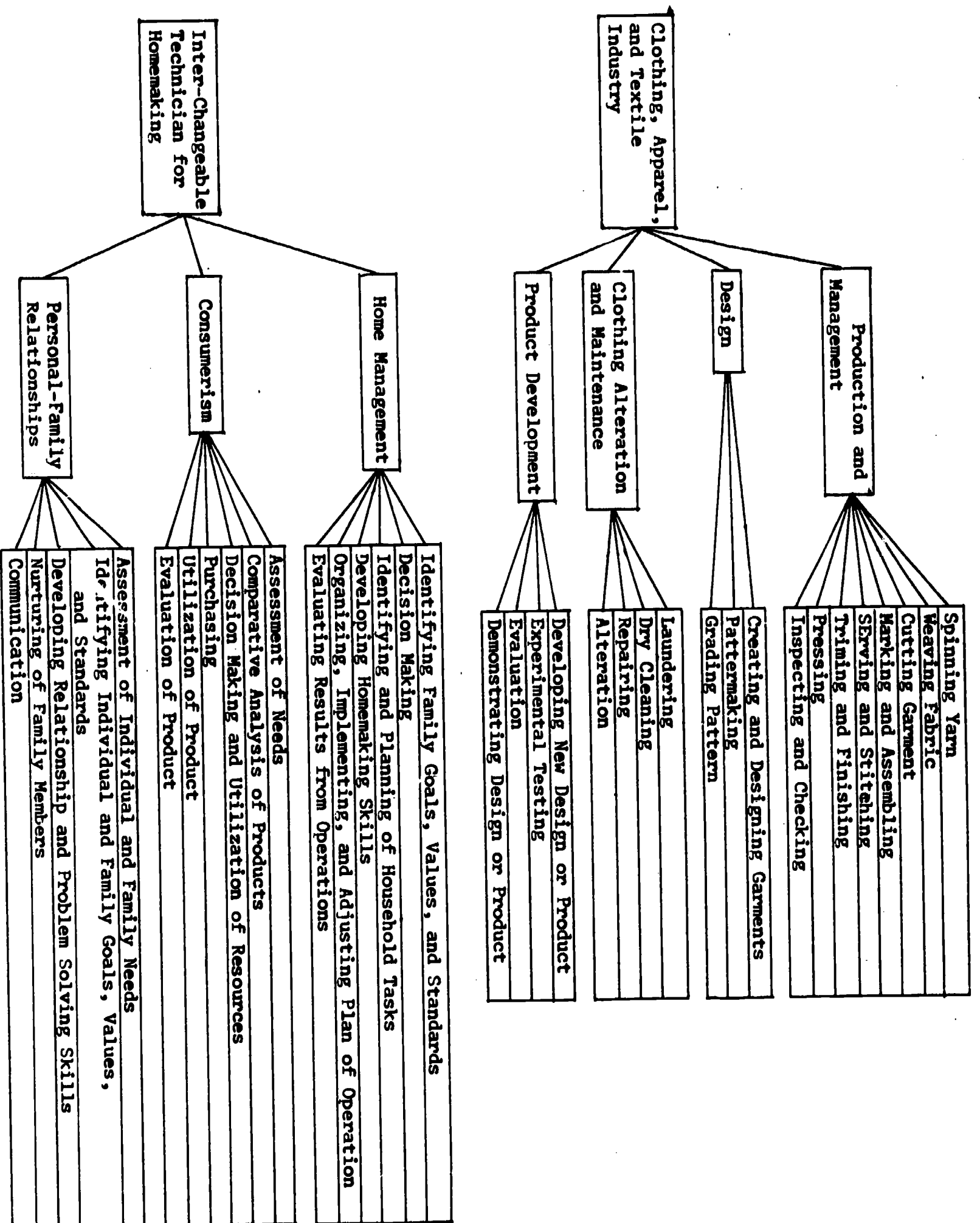


CLUSTER FOR CONSUMER AND HOME MAINTENANCE-RELATED OCCUPATIONS

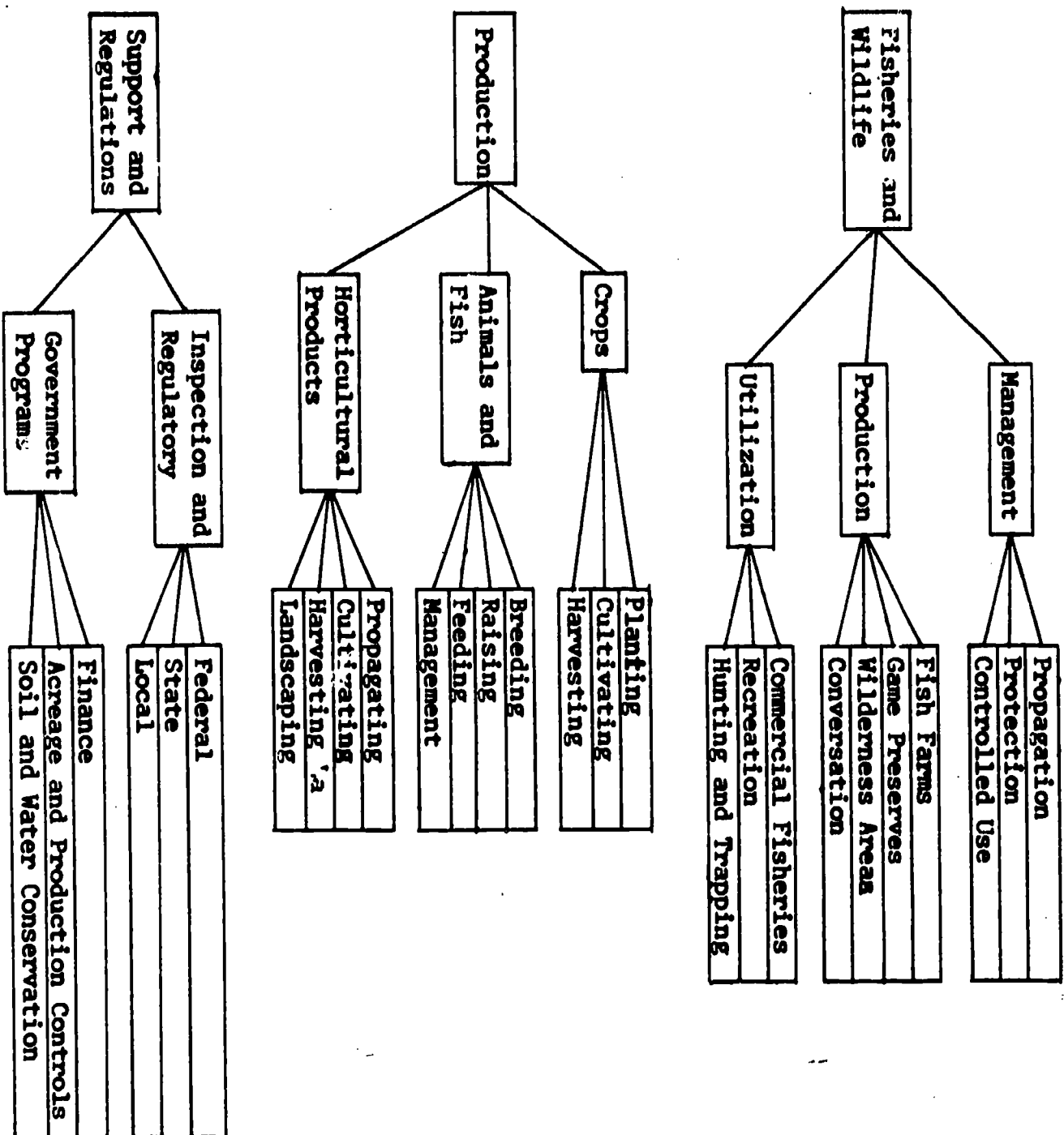


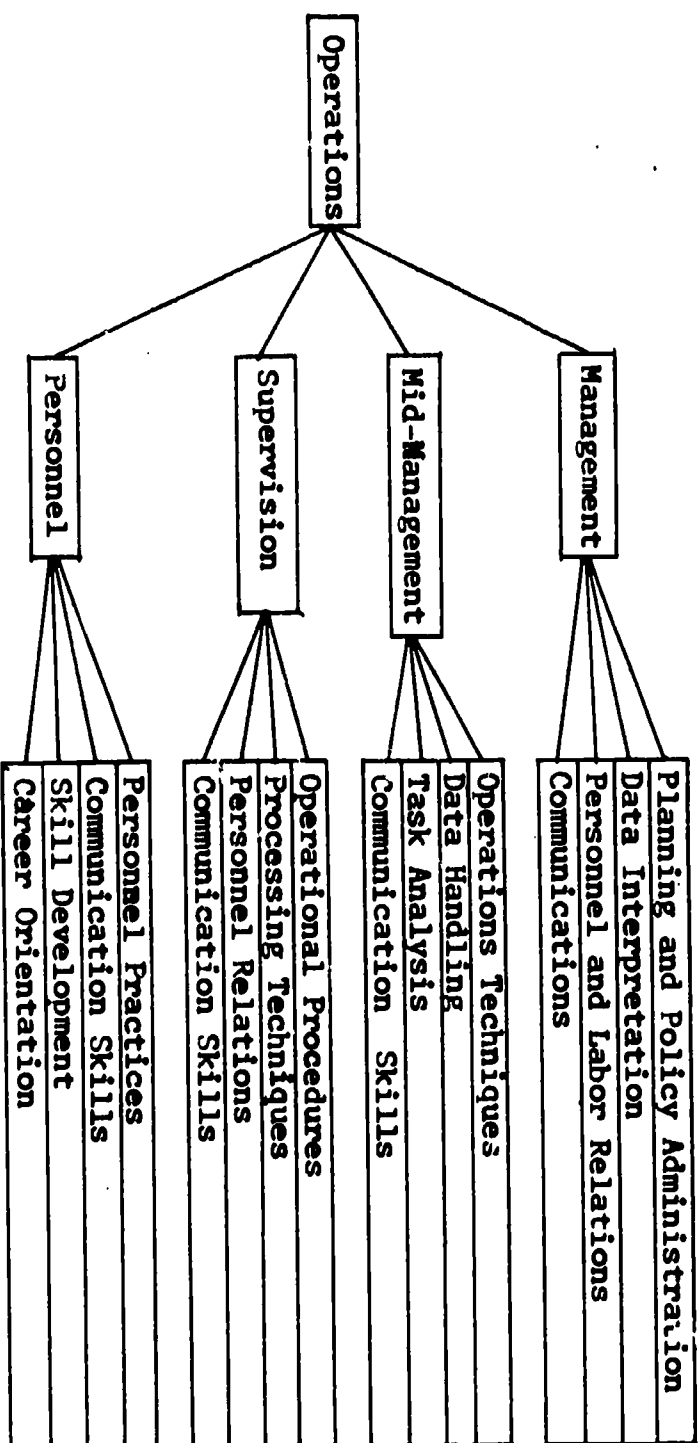
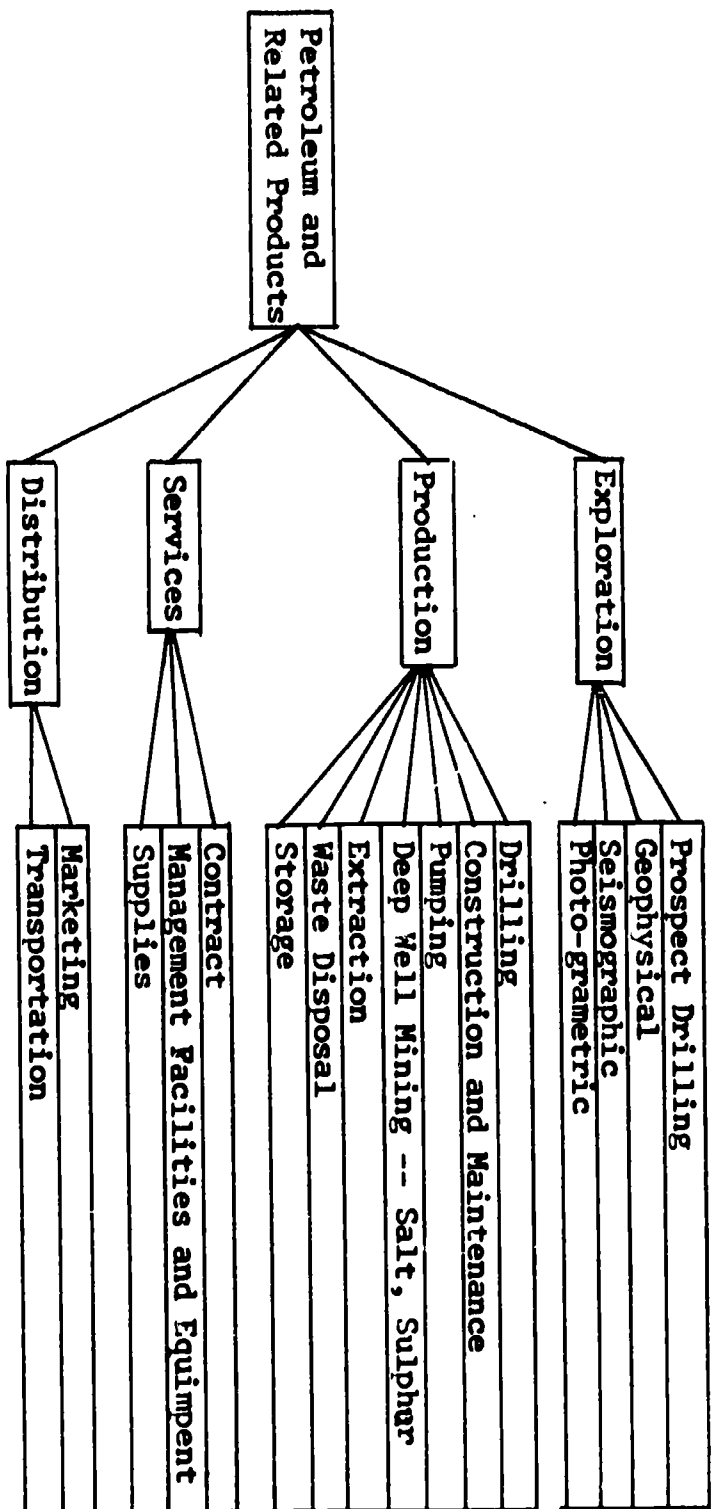


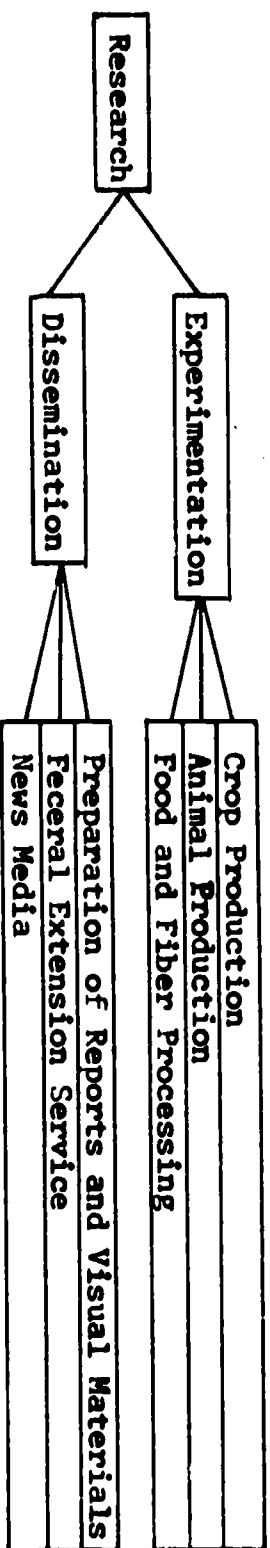
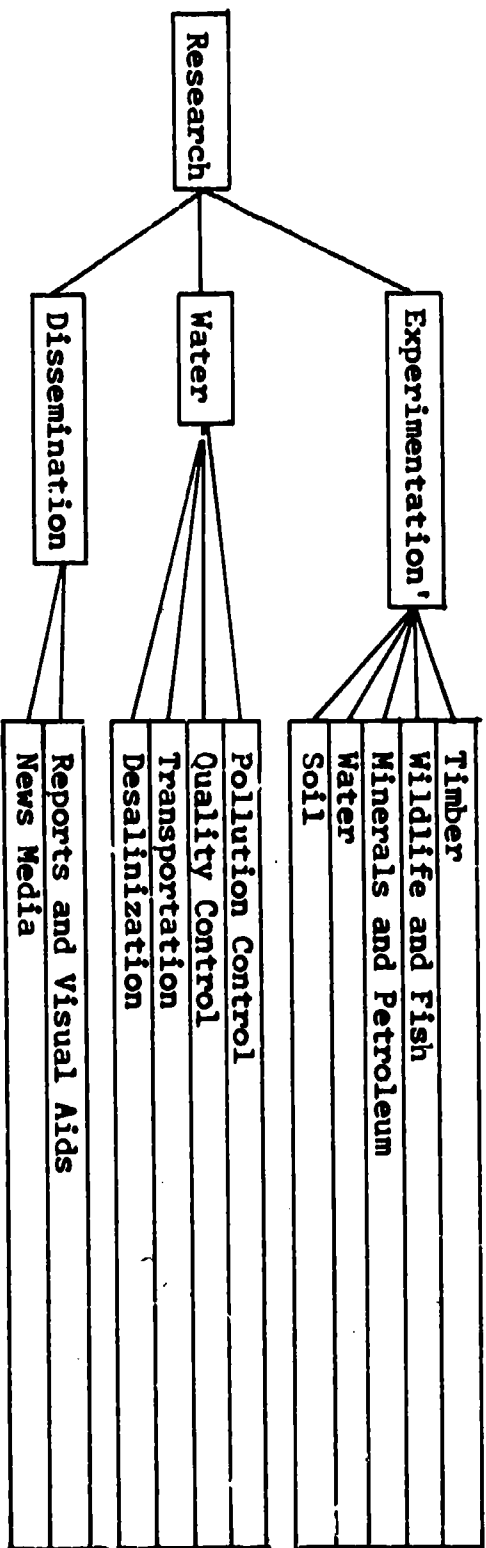
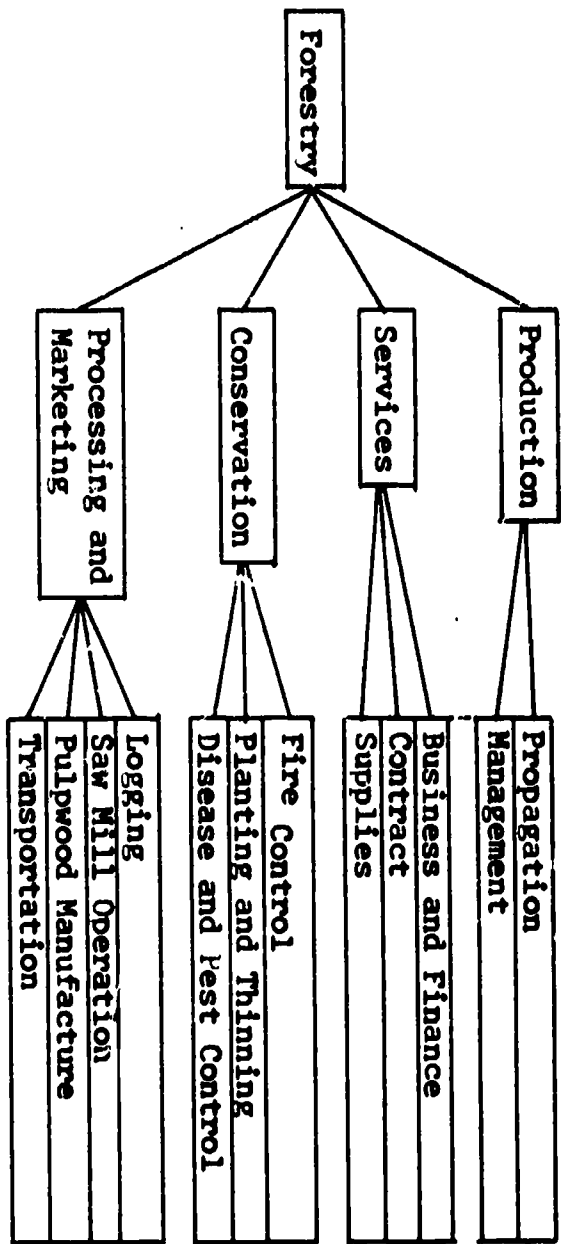


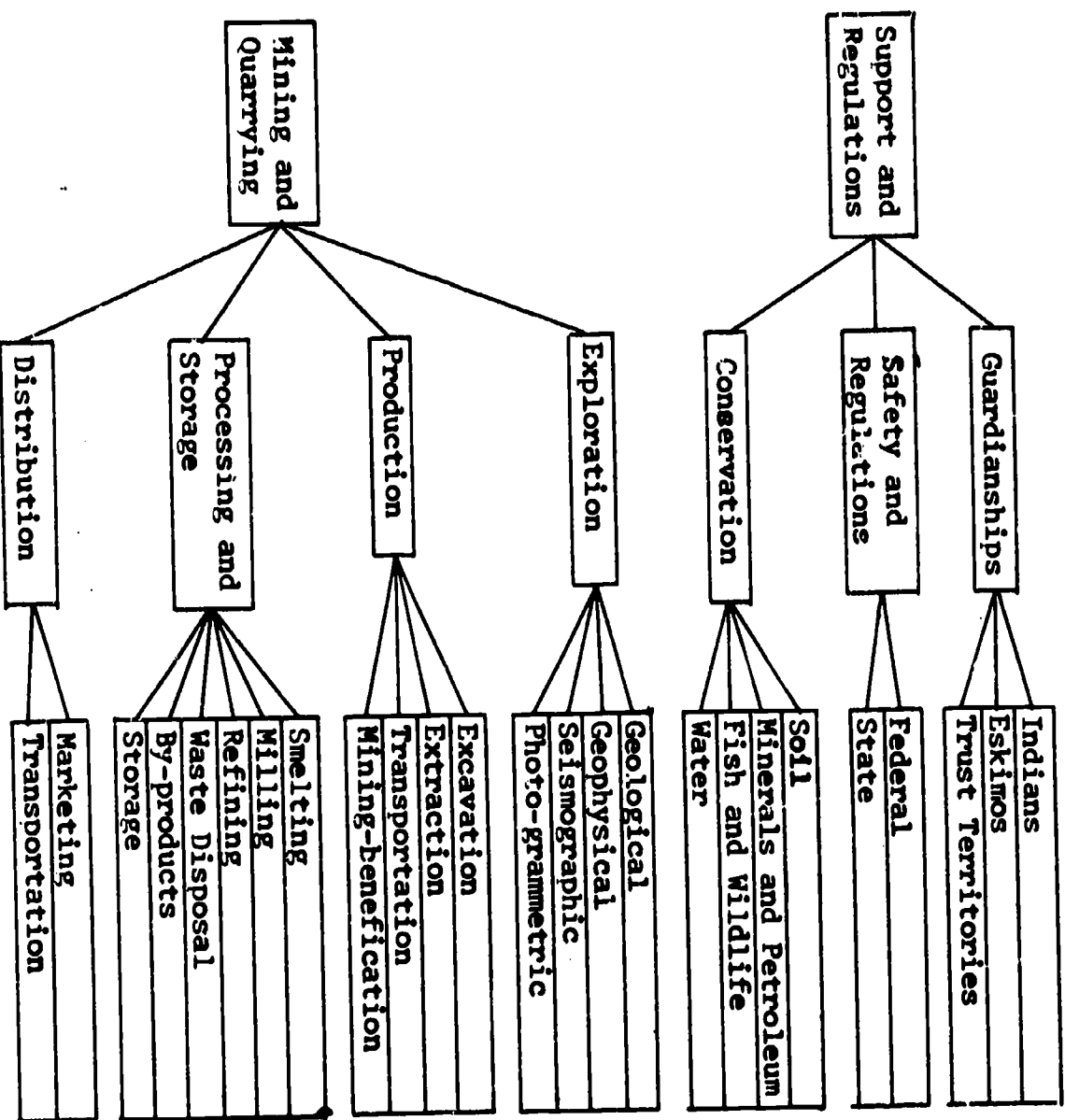
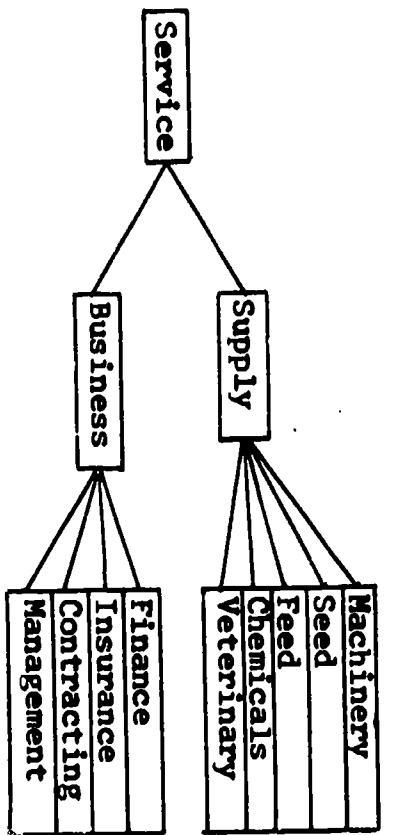


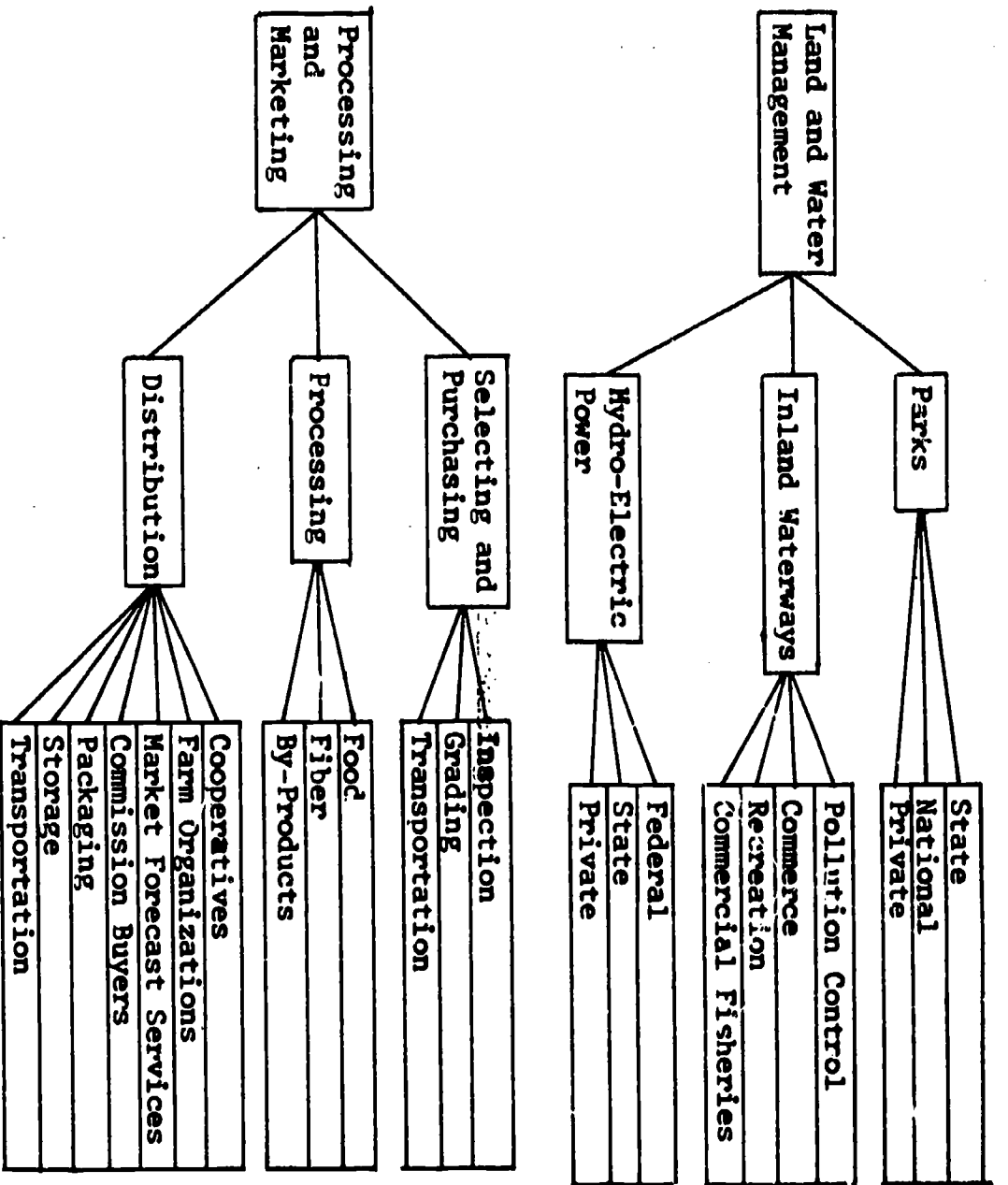
CLUSTER FOR AGRI-BUSINESS AND NATURAL RESOURCES











CLUSTER FOR F M V I D O N M F V T

Soil and Mineral
Conservation and
Control

Collection Data
and Analysis
and Processing

Monitoring and Recording
Sample Collection
Water Analysis

Utilization
Control

Pollution Regulation Enforcement
Mine and Dump Restoration Regulation control
Monitoring and Enforcement of Mineral Production Quotas

Research and
Experimentation

Instrumental Meteorological Data Collection
Meteorological and Watershed Survey and Monitoring
Water Table-Land Cover Relationships Survey and Analysis
Water Disalinization
Underground Waterflow Systems Discovery and Charting
Water Purification Systems Development

Water Resources
Development,
Conservation
and Control

Water Pollution
Abatement and
control

Treatment Plant Construction and Operations
Watershed and Reservoir Systems Development and Operation
Chemical Analysis and Monitoring
Chemical and Thermal Pollution Prevention
Bacteriological Analysis and Monitoring
Industrial Pollution Detection and Monitoring
Anti-Pollution Education

Civil Technology
Processes

Distribution and Collection Systems Development
Water and Wastewater Treatment Systems Development
Watershed Survey and Mapping
Drainage Systems and Development
Irrigation, Reservoir, Canals and Waterways Development

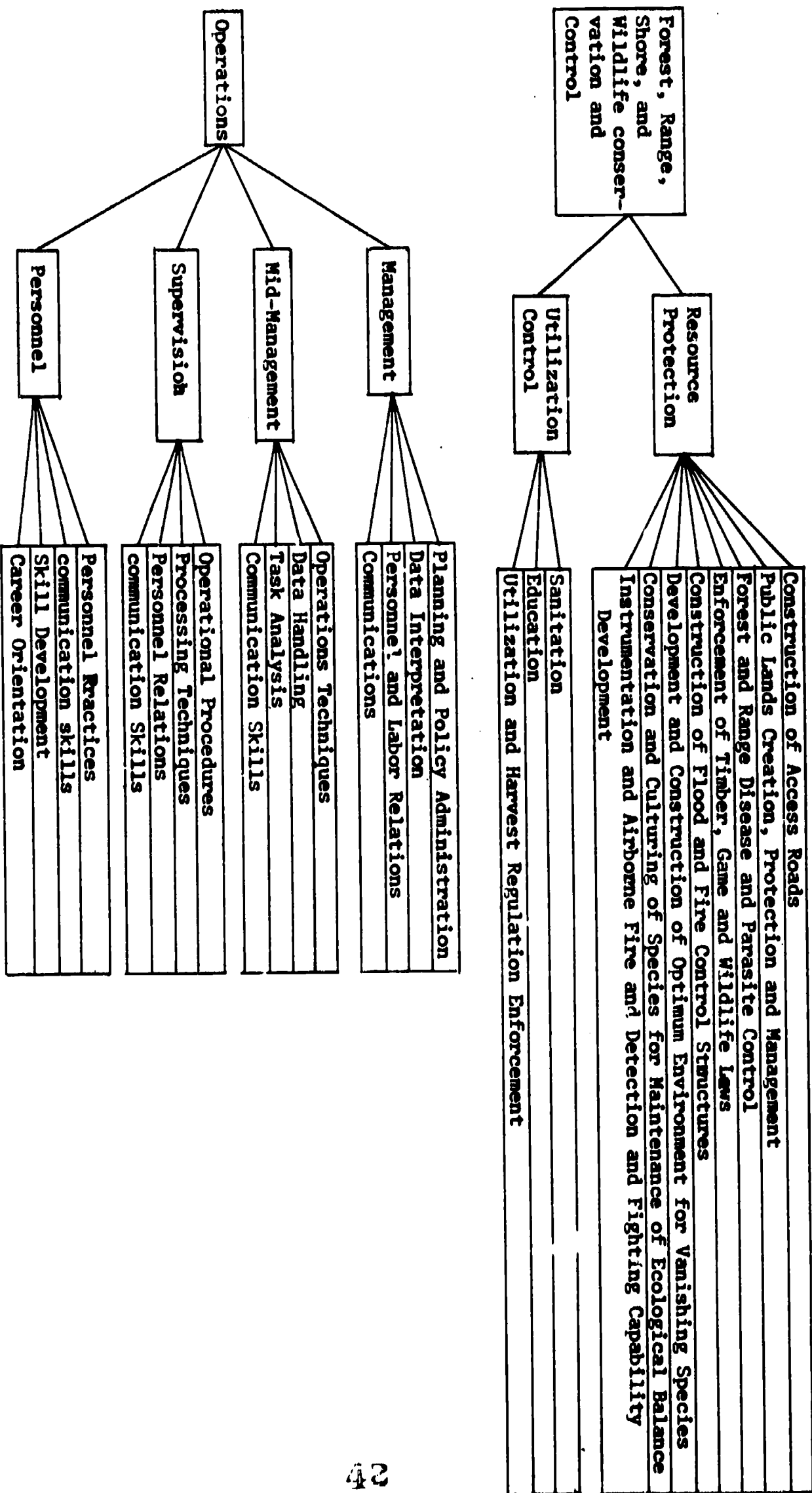
Water Resource
Development,
Conservation
and Control

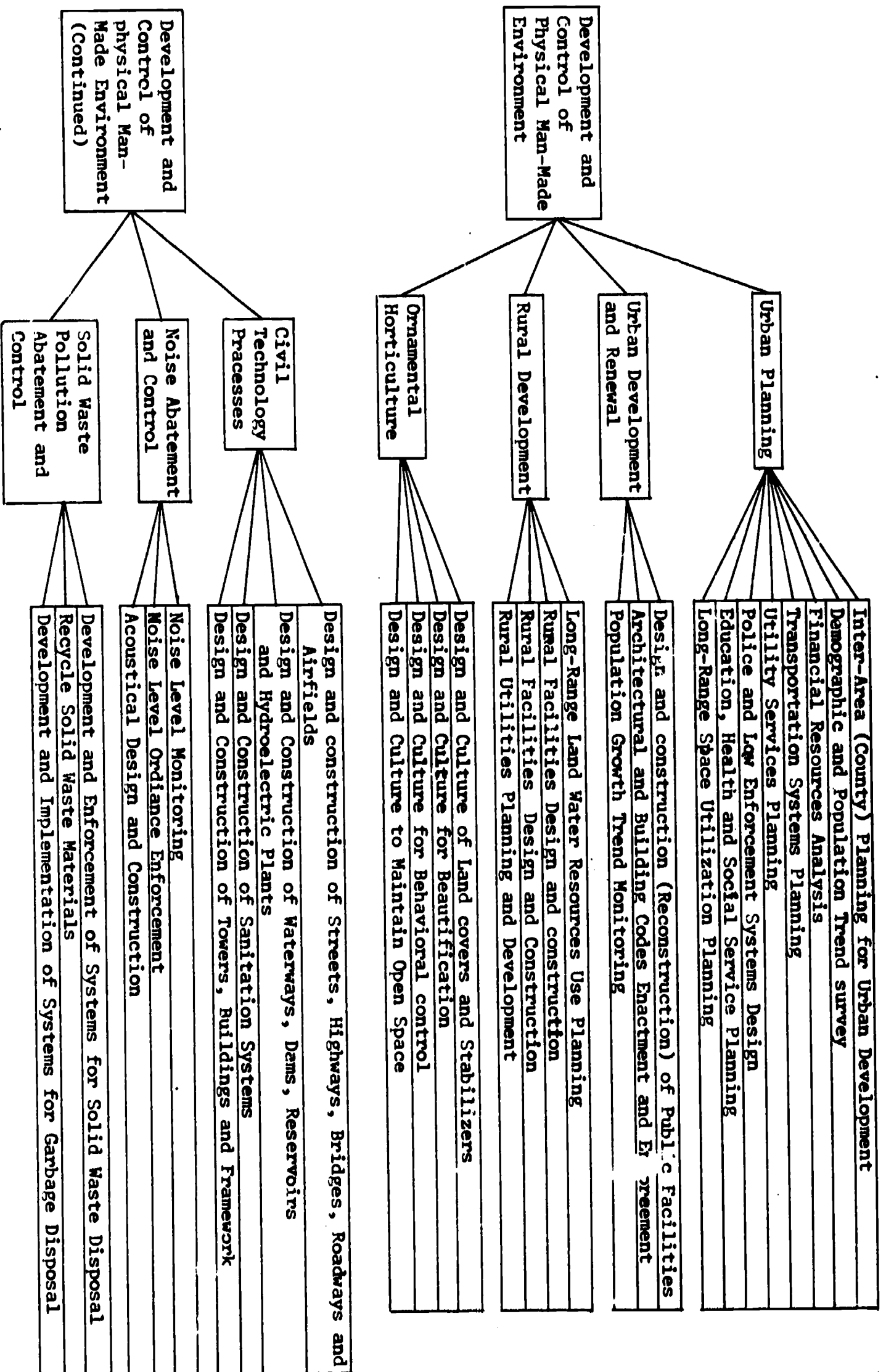
Recreation
Development and
Management

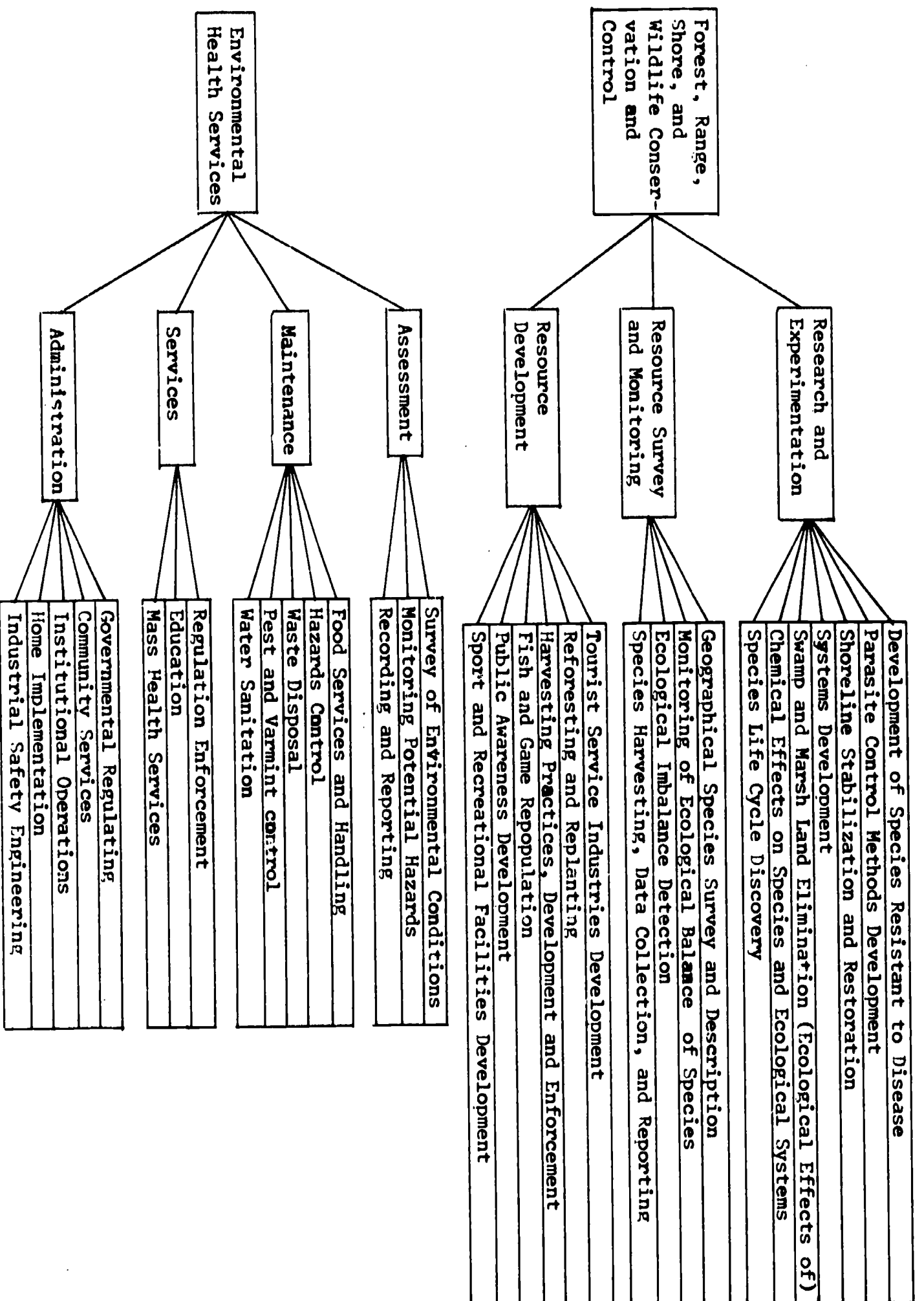
Game and Fish Propagation, Harvesting and Control
Camps, Parks, and Docking Facility Development
Marine Management and Regulation
Boat Inspection and Use Regulation
Park Operation and Management

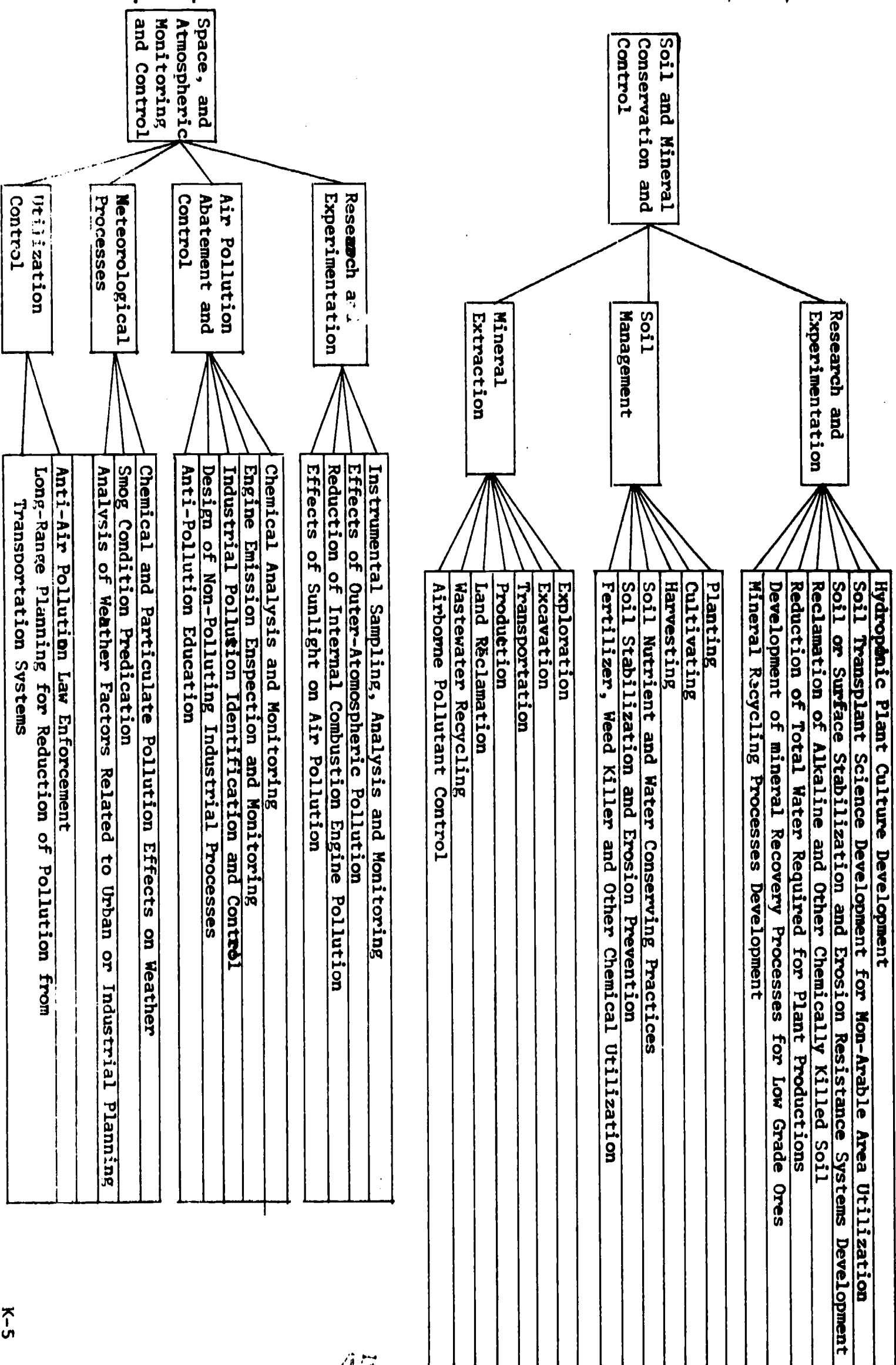
Utilization
Control

Water (Riparian) Rights Laws
Regional Watershed Agreements
Pollution control Regulations and Enforcement
Legislative Prohibition of Use of Non-Biodegradable
Chemicals

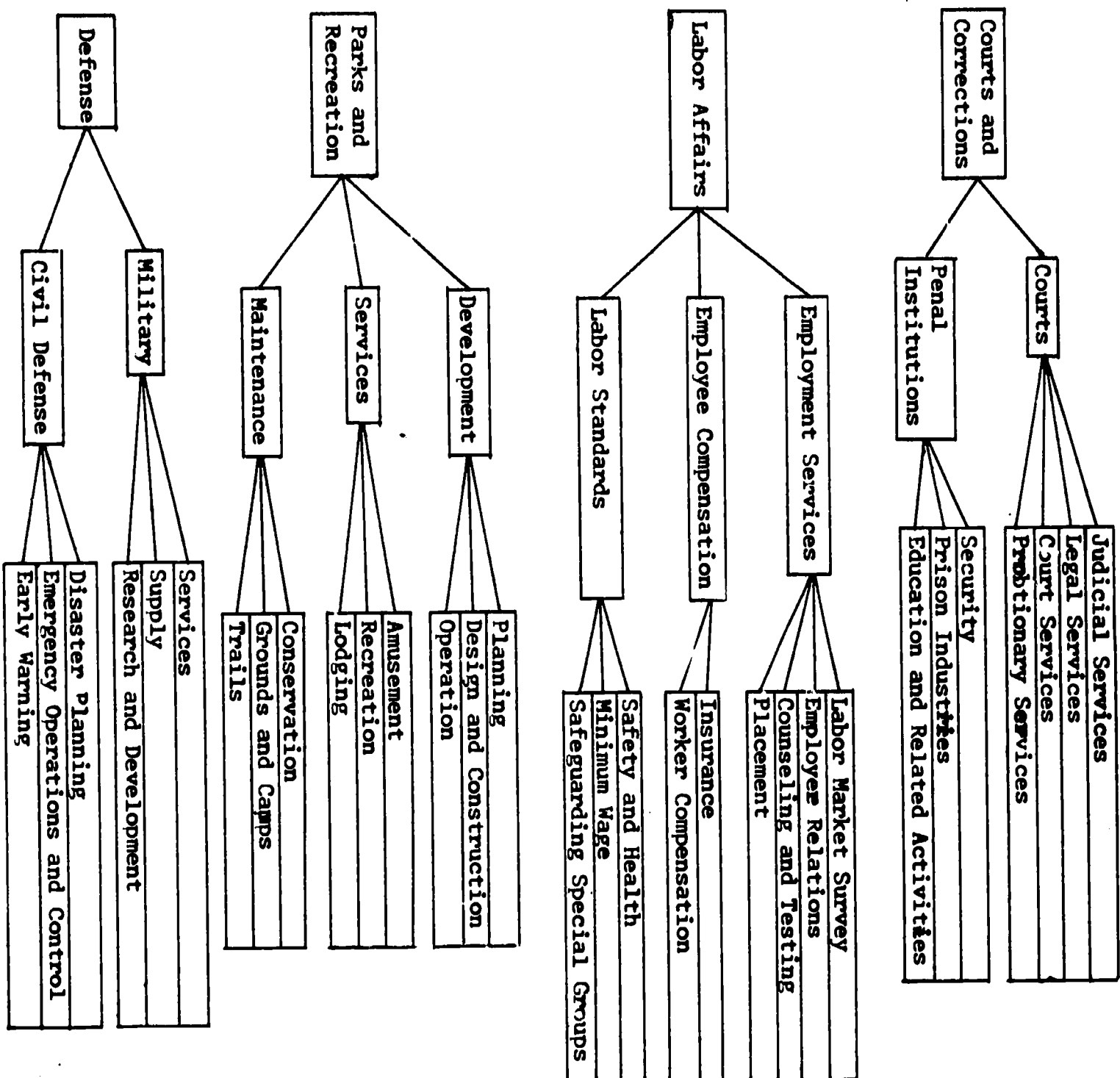


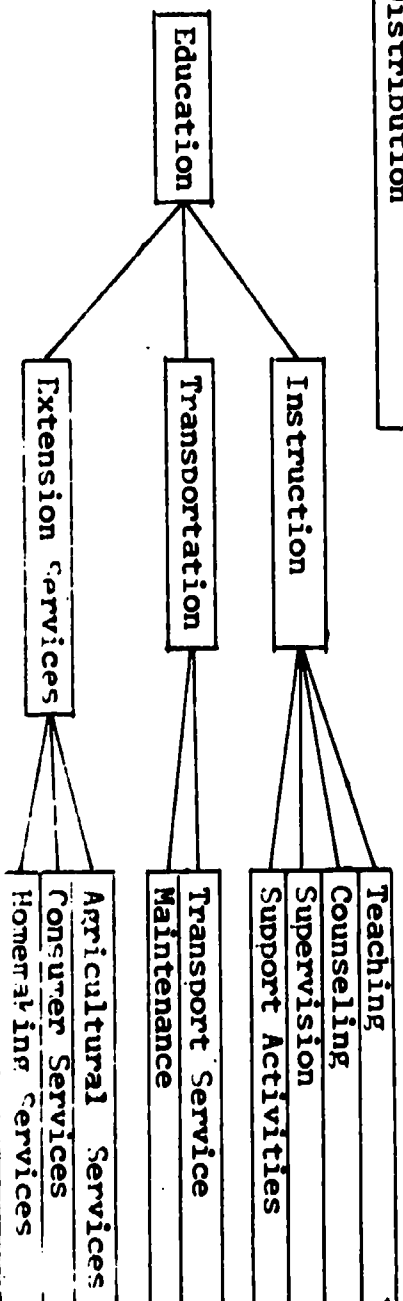
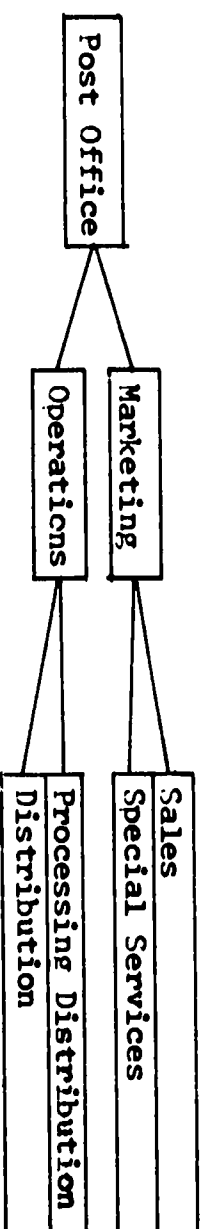
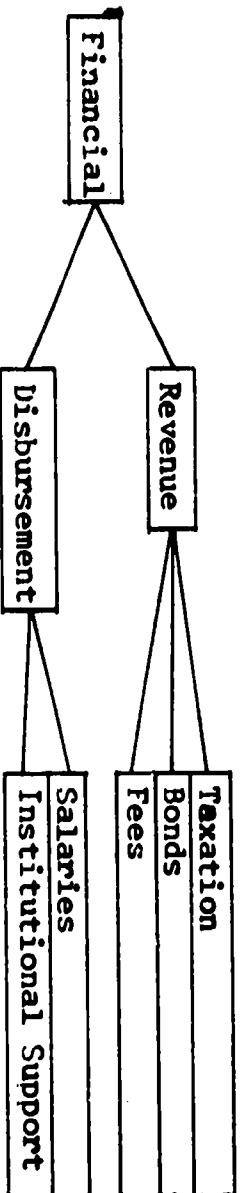
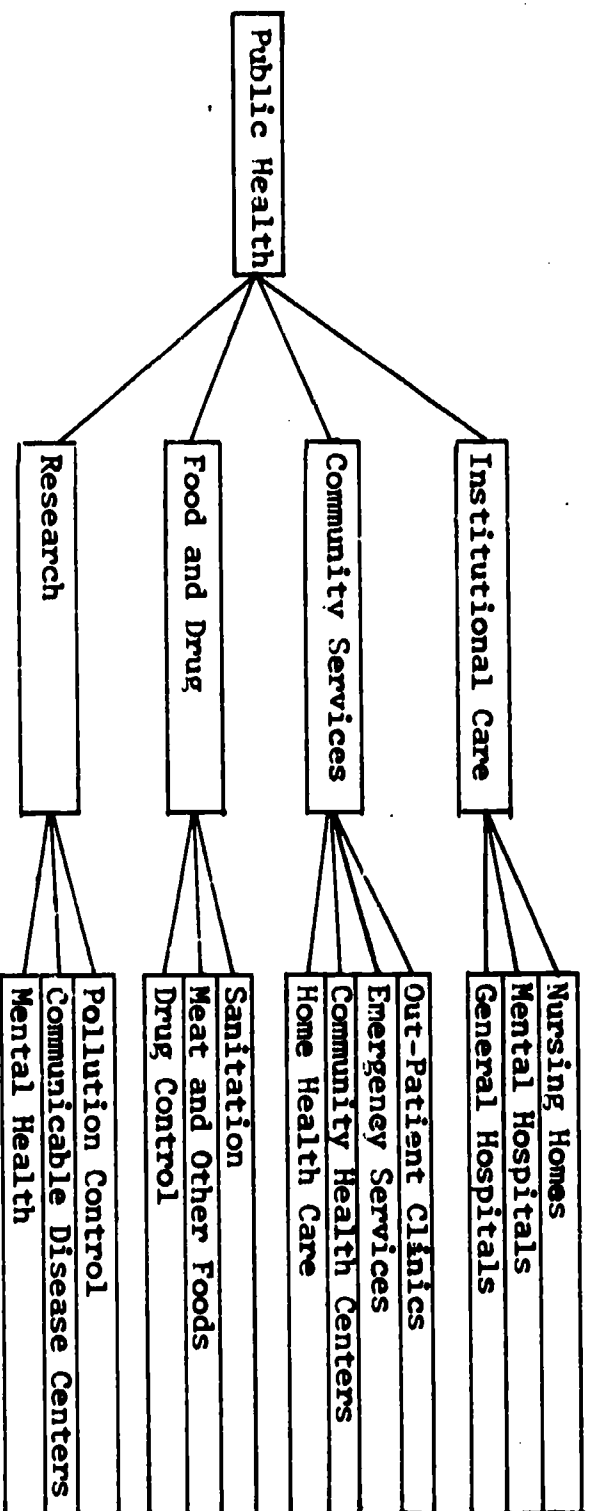


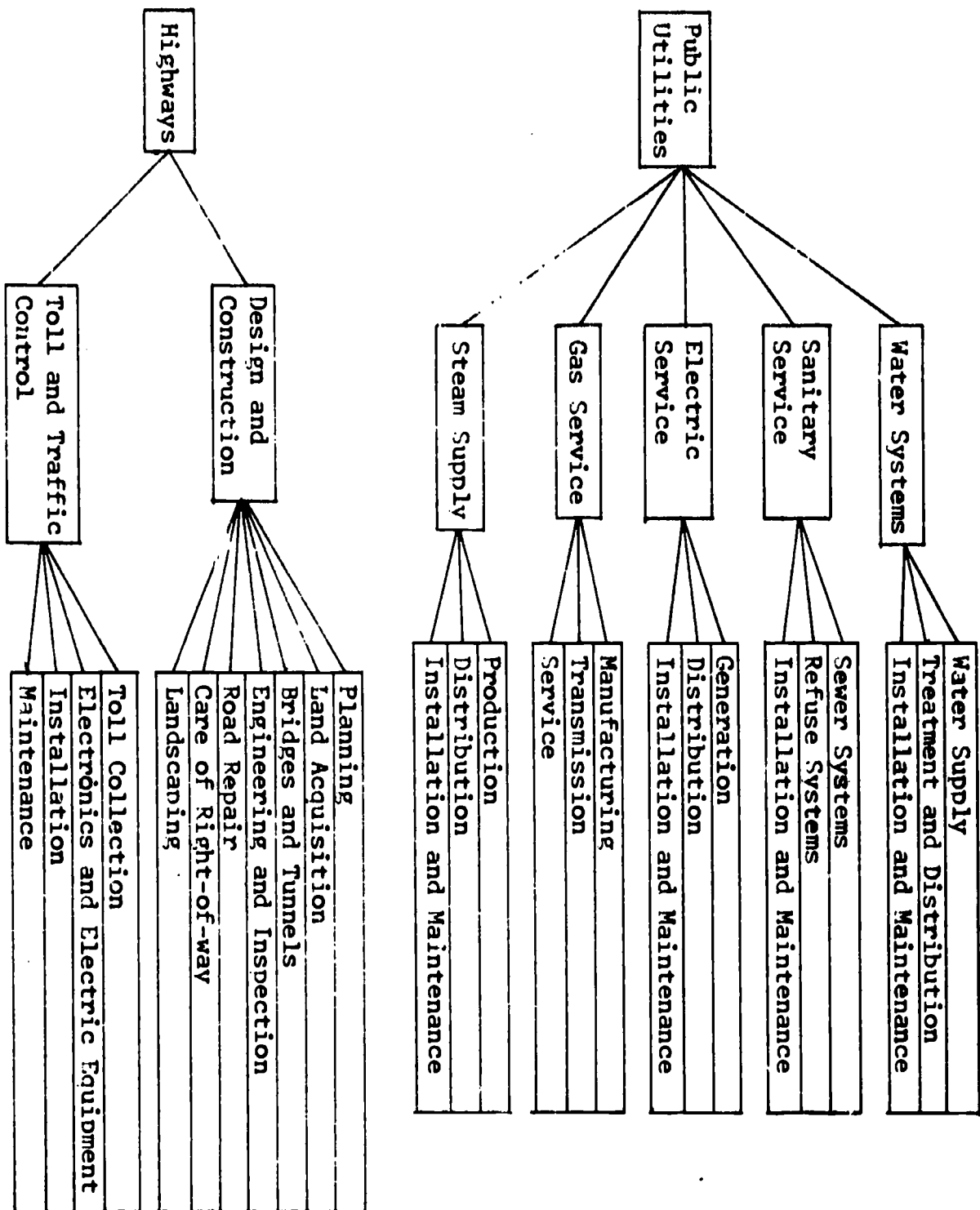


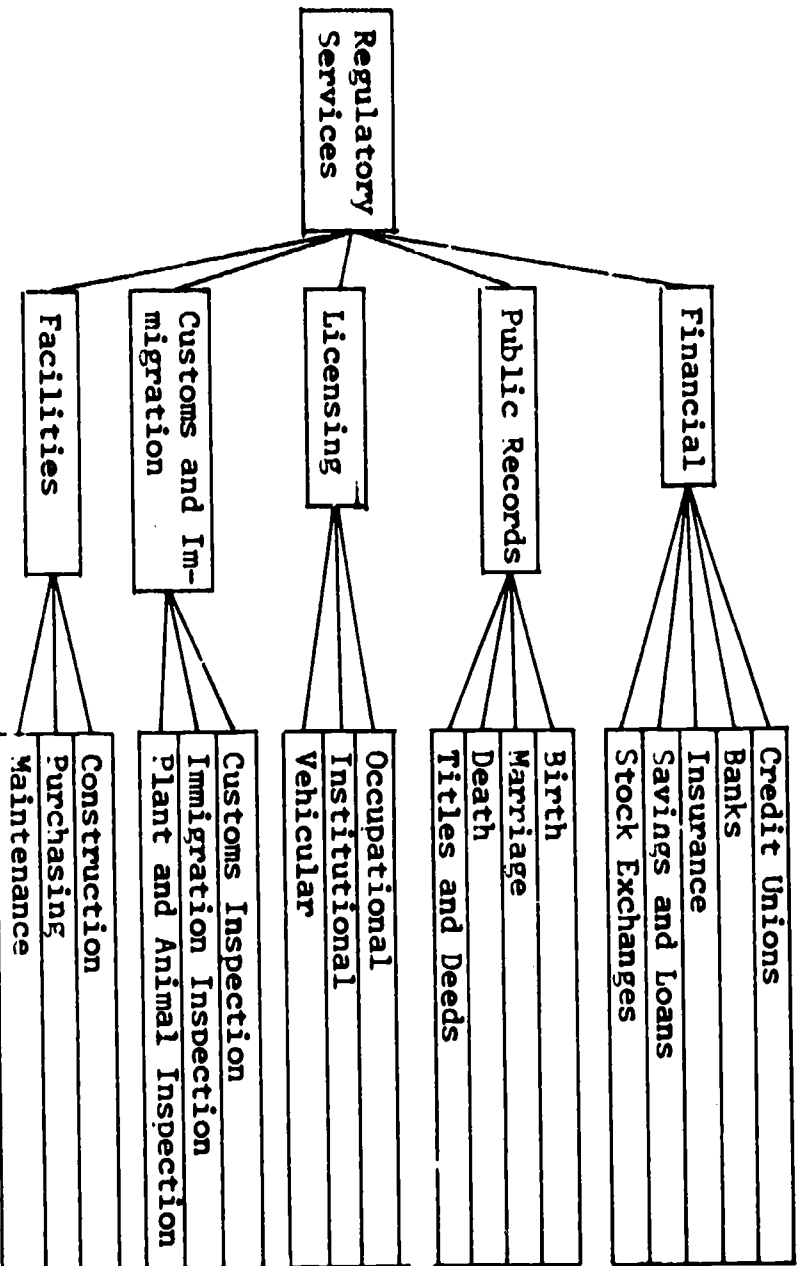
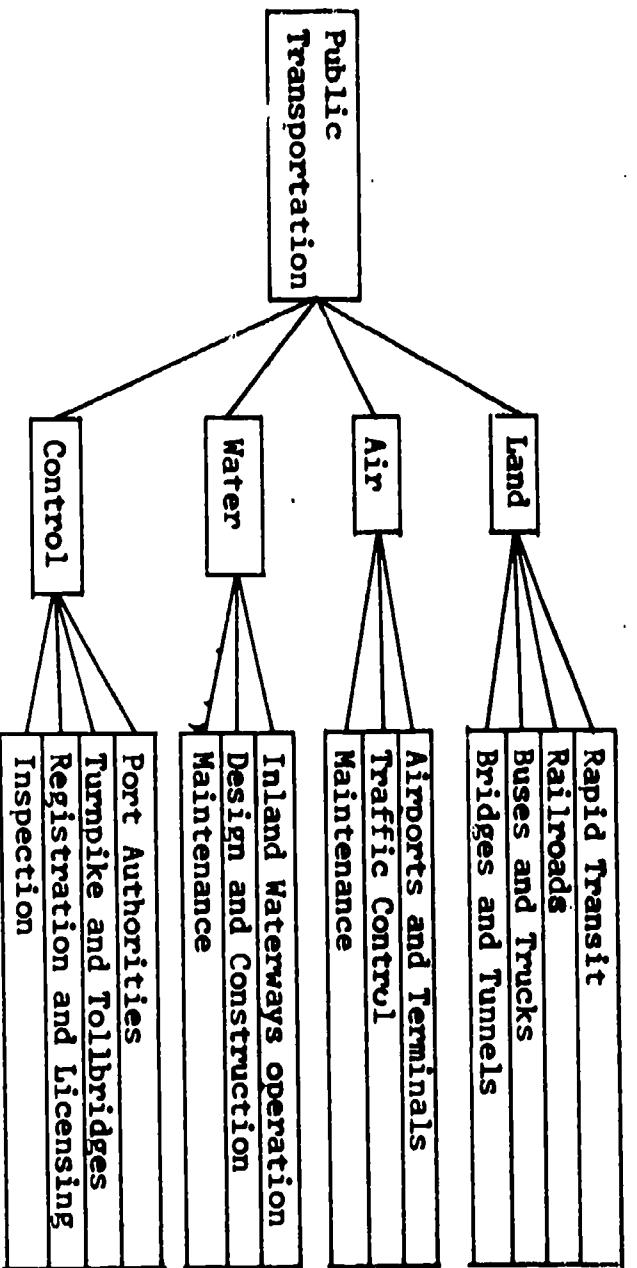


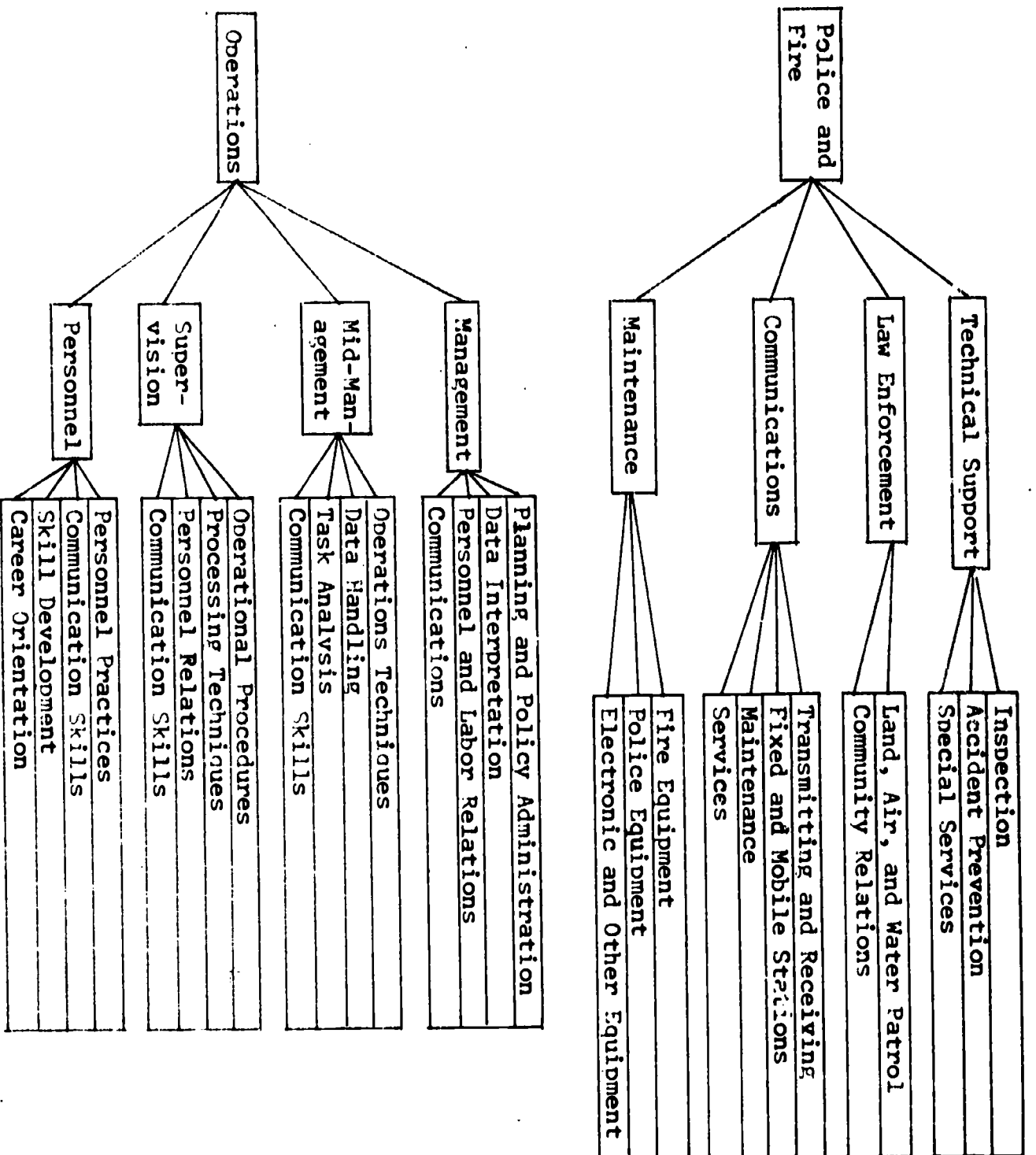
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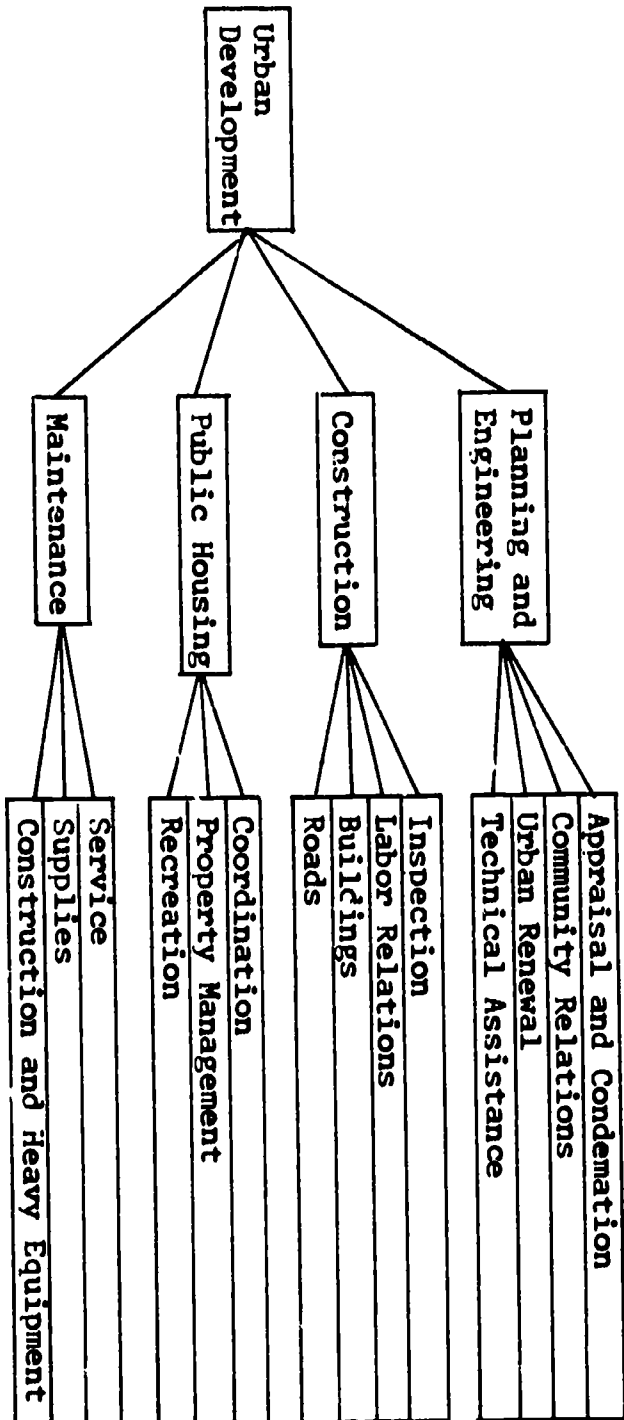
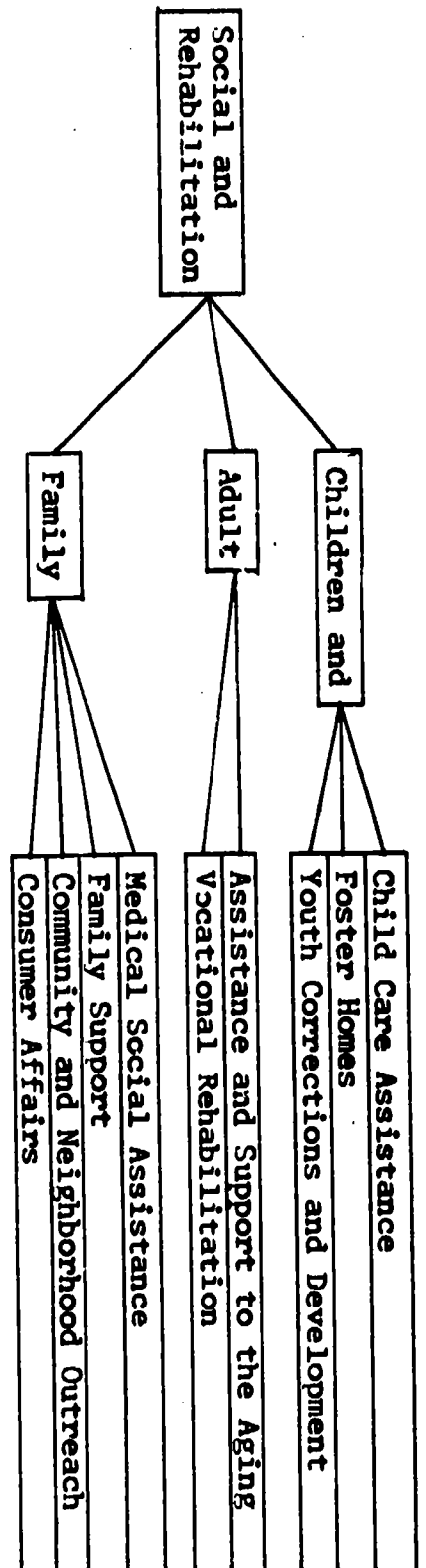




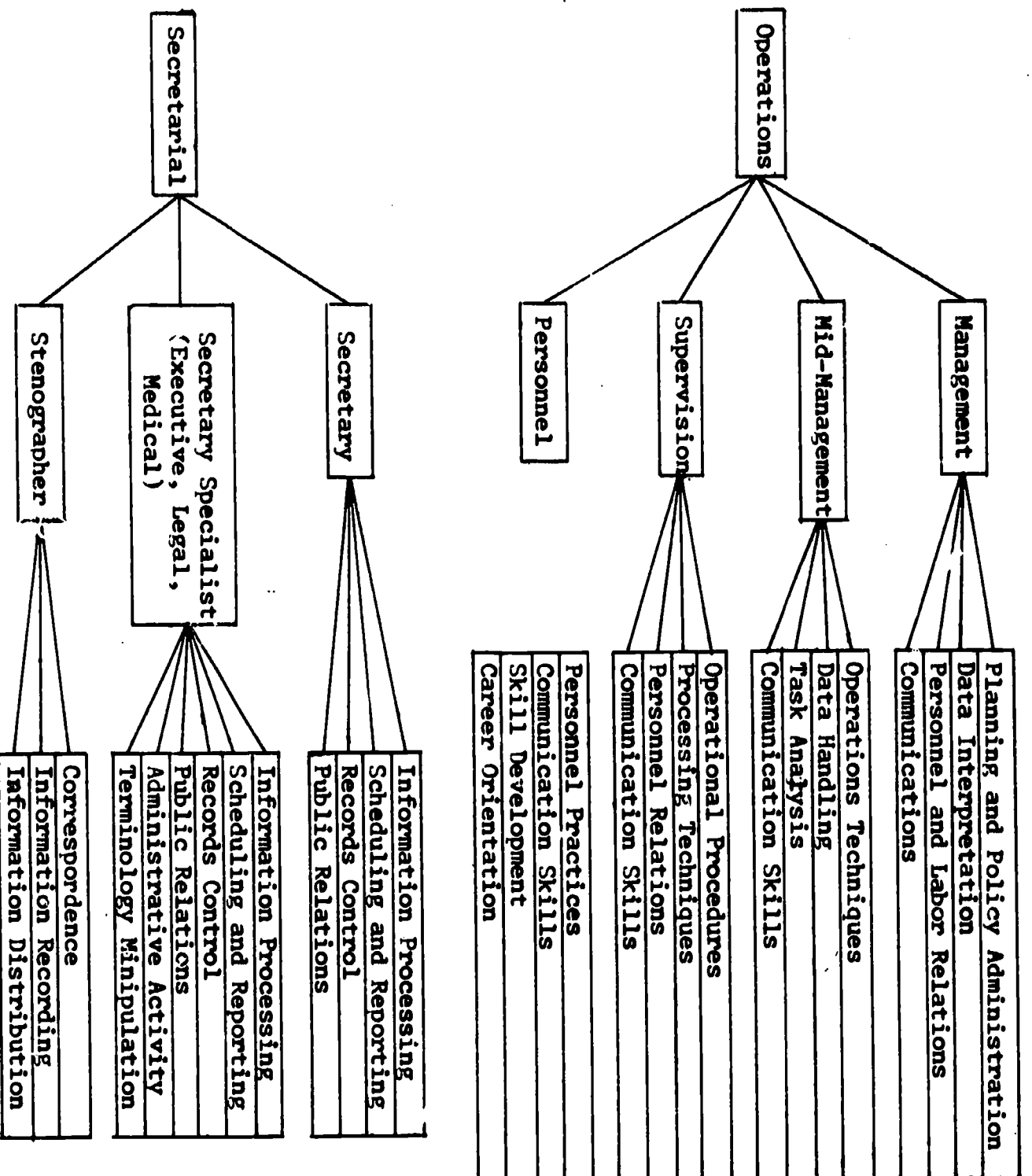


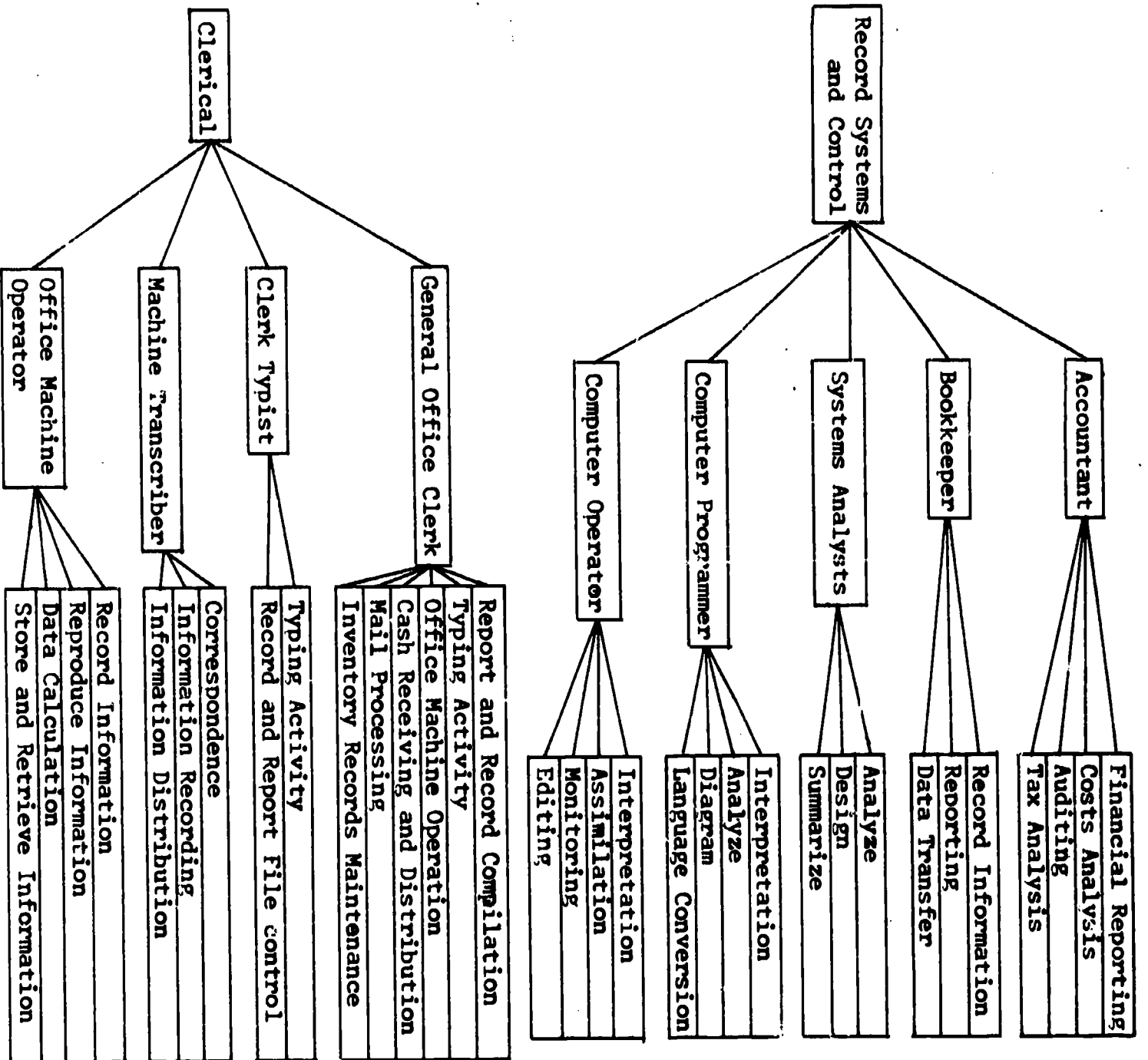


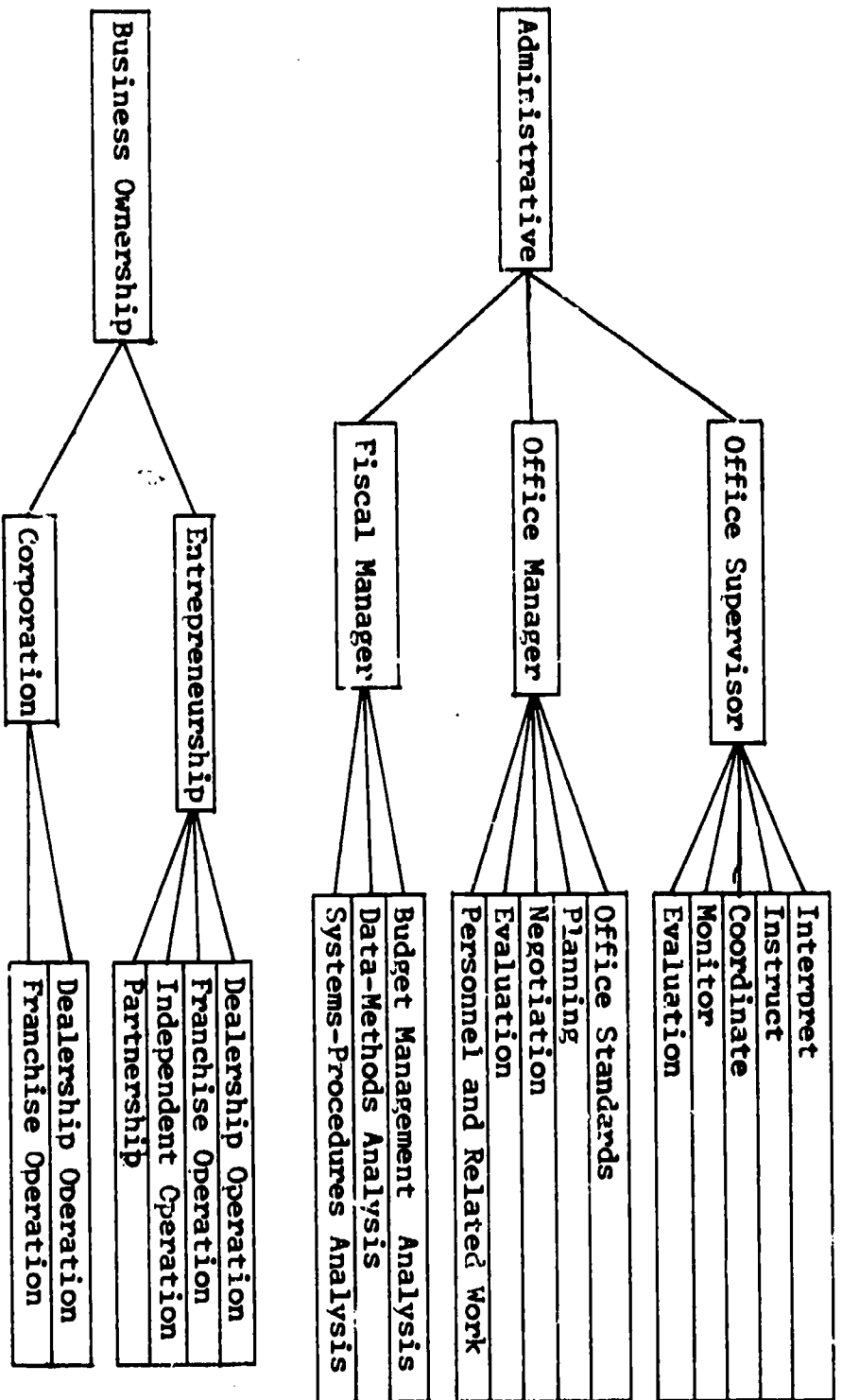




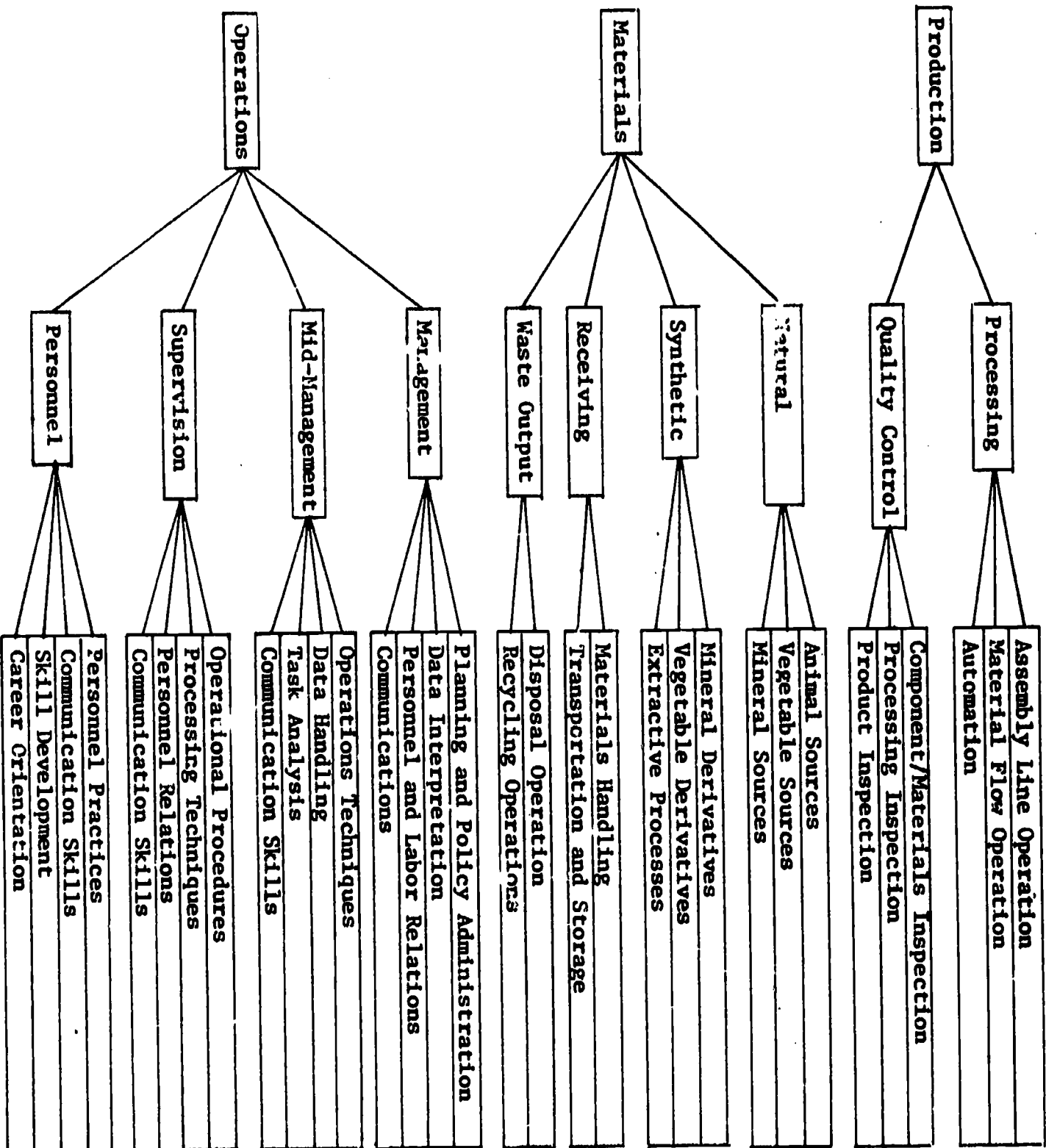
CLUSTER FOR BUSINESS AND OFFICE OCCUPATIONS

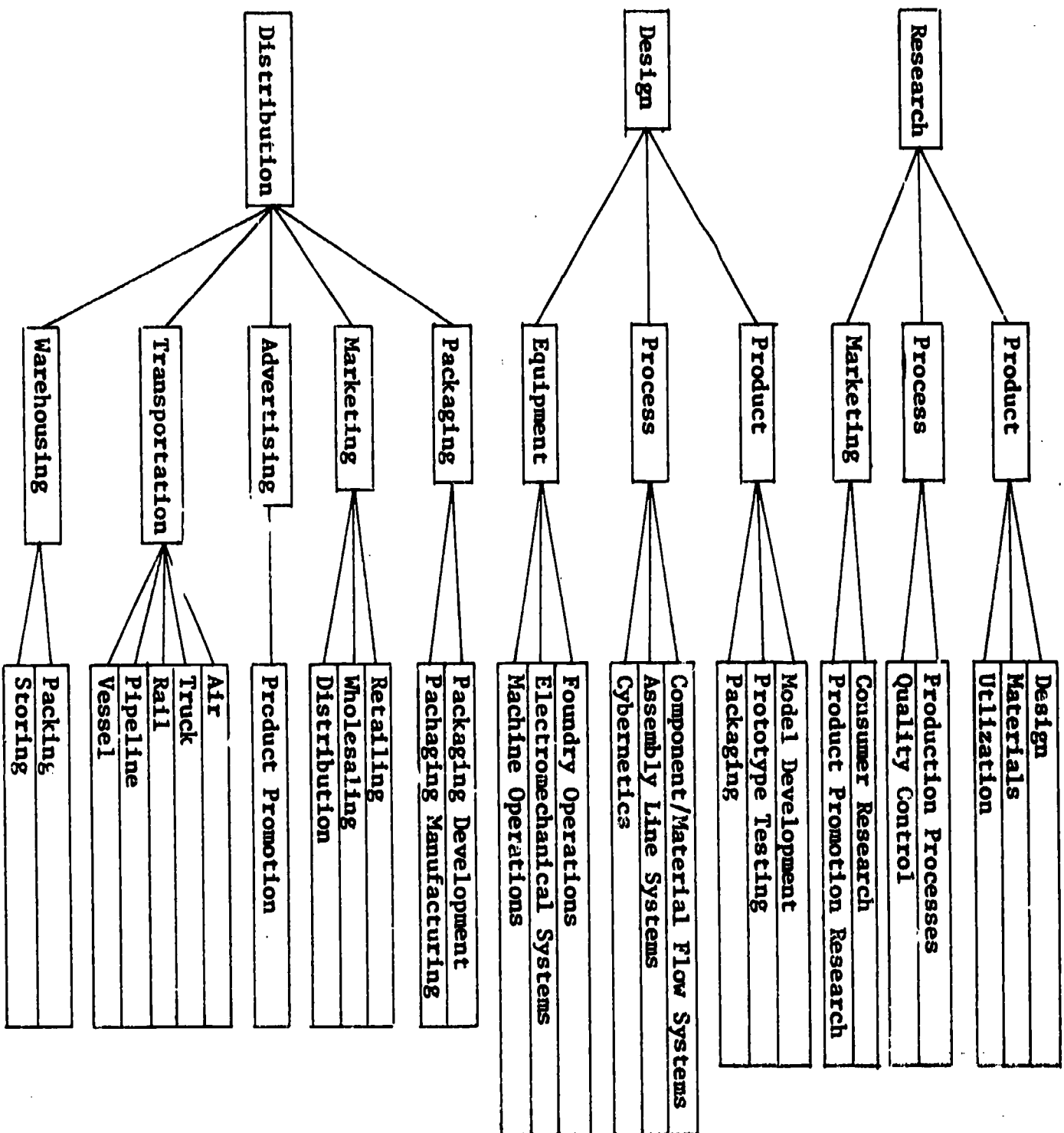






CLUSTER FOR MANUFACTURING





CLUSTER FOR MARKETING AND DISTRIBUTION OCCUPATIONS

